



SEQUENCE LISTING

<110> Shanghai Sunway Biotech Co., LTD.

<120> Treatment for Metastatic Cancer

<130> 121300.00003

<140> 10/766,307

<141> 2004-01-28

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 31976

<212> DNA

<213> Adenovirus

<400> 1

catcatcaat aatatacctt attttggatt gaagccaata tgataatgag ggggtggagt	60
ttgtgacgtg gcgcggggcg tgggaacggg gcgggtgacg tagtagtgtg gcggaagtgt	120
gatgttgcaa gtgtggcgga acacatgtaa gcgacggatg tggcaaaagt gacgtttttg	180
gtgtgcgcg gtgtacacag gaagtgacaa ttttcgcgcg gttttaggcg gatgtttag	240
taaatttggg cgtaaccgag taagatttgg ccattttcgc gggaaaactg aataagagga	300
agtgaatct gaataatttt gtgttactca tagcgcgtaa tatttgtcta gggccgcggg	360
gactttgacc gtttacgtgg agactcgccc aggtgttttt ctcaggtgtt ttccgcgttc	420
cgggtcaaag ttggcgtttt attattatag tcagctgacg tgtagtgtat ttatacccg	480
tgagttcctc aagaggccac tcttgagtgc cagcgagtag agttttctcc tccgagccgc	540
tccgacaccg ggactgaaaa tgagacatat tatctgccac ggaggtgtta ttaccgaaga	600
aatggccgcc agtcttttgg accagctgat cgaagaggta ctggctgata atcttcacc	660
tcctagccat tttgaaccac ctacccttca cgaactgtat gatttagacg tgacggcccc	720
cgaagatccc aacgaggagg cggtttcgca gatttttccc gactctgtaa tgttggcgg	780
gcaggaaggg attgacttac tcacttttcc gccggcgccc ggttctccgg agccgcctca	840
cctttcccgg cagcccgagc agccggagca gagagccttg ggtccggttt ctatgccaaa	900
ccttgtagcg gaggtgatcg atcttacctg ccacgaggct ggctttccac ccagtgcga	960
cgaggatgaa gaggggtgagg agtttgtgtt agattatgtg gagcaccocg ggcacgggtg	1020
caggtcttgt cattatcacc ggaggaatac gggggaccca gatattatgt gttcgctttg	1080
ctatatgagg acctgtggca tgtttgtcta cagtaagtga aaattatggg cagtgggtga	1140

tagagtgggtg ggtttggtgt ggtaattttt tttttaattt ttacagtttt gtggttttaa	1200
gaattttgta ttgtgatttt tttaaaaggt cctgtgtctg aacctgagcc tgagcccgag	1260
ccagaaccgg agcctgcaag acctaccgc cgtcctaaaa tggcgctgc tatcctgaga	1320
cgcccgacat cacctgtgtc tagagaatgc aatagtagta cggatagctg tgactccggt	1380
ccttotaaca cacctcctga gatacaccgc gtgggtccgc tgtgccccat taaaccagtt	1440
gccgtgagag ttggtgggcg tcgccaggct gtggaatgta tcgaggactt gcttaacgag	1500
cctgggcaac ctttgactt gagctgtaaa cgccccaggc cataaggtgt aaacctgtga	1560
ttgcgtgtgt ggttaacgcc tttgtttgct gaatgagttg atgtaagttt aataaagggt	1620
gagataatgt ttaacttgca tggcgtgtta aatggggcgg ggcttaaagg gtatataatg	1680
cgccgtgggc taatcttgggt tacatctgac ctcatggagg cttgggagtg tttggaagat	1740
ttttctgctg tgcgtaactt gctggaacag agctctaaca gtacctcttg gttttggagg	1800
tttctgtggg gctcatccca ggcaaagtta gtctgcagaa ttaaggagga ttacaagtgg	1860
gaatttgaag agcttttgaa atcctgtggt gagctgtttg attctttgaa tctgggtcac	1920
caggcgcttt tccaagagaa ggtcatcaag actttggatt tttccacacc ggggcgcgct	1980
gcggctgctg ttgctttttt gaggttttata aaggataaat ggagtgaaga aacctatctg	2040
agcgggggggt acctgctgga ttttctggcc atgcatctgt ggagagcggt tgtgagacac	2100
aagaatcgcc tgctactgtt gtcttccgtc cgcccgcgca taataccgac ggaggagcag	2160
cagcagcagc aggaggaagc caggcggcgg cggcaggagc agagcccatg gaacccgaga	2220
gccggcctgg acctcgga atgaatgttg tacagggtggc tgaactgtat ccagaactga	2280
gacgcatttt gacaattaca gaggatgggc aggggctaaa gggggtaaag agggagcggg	2340
gggcttgtga ggctacagag gaggctagga atctagcttt tagcttaatg accagacacc	2400
gtcctgagtg tattactttt caacagatca aggataattg cgctaagtag cttgatctgc	2460
tggcgagaa gtattccata gagcagctga ccacttactg gagatctgga aggtgctgag	2520
gtacgatgag acccgaccca ggtgcagacc ctgcgagtgt ggcggtaaac atattaggaa	2580
ccagcctgtg atgctggatg tgaccgagga gctgaggccc gatcacttg tgctggcctg	2640
caccgcgct gagtttggt ctagcgatga agatacagat tgagggtactg aaatgtgtgg	2700
gcgtggctta aggggtggaa agaatatata aggtgggggt cttatgtagt tttgtatctg	2760
ttttgcagca gccgccgccc ccatgagcac caactcgttt gatggaagca ttgtgagctc	2820
atatattgaca acgcgcatgc ccccatgggc cggggtgcgt cagaatgtga tgggctccag	2880
cattgatggt cgccccgtcc tgcccgcaaa ctctactacc ttgacctacg agaccgtgtc	2940

tggaacgccc	ttggagactg	cagcctccgc	cgccgcttca	gccgctgcag	ccaccgccc	3000
cgggattgtg	actgactttg	ctttcctgag	cccgcttgca	agcagtgcag	cttcccgttc	3060
atccgccccg	gatgacaagt	tgacggctct	tttggcacia	ttggattctt	tgaccgggga	3120
acttaatgtc	gtttctcagc	agctgttggg	tctgcgccag	cagggtttctg	ccctgaaggc	3180
ttcctcccc	cccaatgcgg	tttaaaacat	aaataaaaaa	ccagactctg	tttggatttg	3240
gatcaagcaa	gtgtcttgct	gtctttat	aggggttttg	cgcgcgcggt	aggccccgga	3300
ccagcgggtc	cggtcgttga	gggtcctgtg	tattttttcc	aggacgtggg	aaagggtgact	3360
ctggatgttc	agatacatgg	gcataagccc	gtctctgggg	tggaggtagc	accactgcag	3420
agcttcatgc	tgcggggtgg	tgttgtagat	gatccagtcg	tagcaggagc	gctgggcgtg	3480
gtgcctaaaa	atgtctttca	gtagcaagct	gattgccagg	ggcaggccct	tgggtgaagt	3540
gtttacaaag	cggttaagct	gggatgggtg	catacgtggg	gatatgagat	gcatcttgga	3600
ctgtattttt	aggttggtta	tgttcccagc	catatccctc	cggggattca	tgttggtgcag	3660
aaccaccagc	acagtgtatc	cgggtgcactt	gggaaatttg	tcatgtagct	tagaaggaaa	3720
tgcgtggaag	aacttggaga	cgcccttggt	acctccaaga	ttttccatgc	attcgtccat	3780
aatgatggca	atgggcccac	gggcggcggc	ctgggcgaag	atatttctgg	gatcactaac	3840
gtcatagtgt	tgttccagga	tgagatcgtc	ataggccatt	tttaciaaagc	gcgggcggag	3900
ggtgccagac	tgcggtataa	tggttccatc	cggcccaggg	gcgtagttac	cctcacagat	3960
ttgcattttc	cacgctttga	gttcagatgg	ggggatcatg	tctacctgcg	gggcgatgaa	4020
gaaaacgggt	tccggggtag	gggagatcag	ctgggaagaa	agcaggttcc	tgagcagctg	4080
cgacttaccg	cagccgggtg	gcccgtaaat	cacacctatt	accgggtgca	actggtagtt	4140
aagagagctg	cagctgccgt	catccctgag	cagggggggc	acttcgttaa	gcatgtccct	4200
gactcgcatg	ttttccctga	ccaaatccgc	cagaaggcgc	tcgccgccca	gcgatagcag	4260
ttcttgcaag	gaagcaaagt	ttttcaacgg	tttgagaccg	tccgccgtag	gcatgctttt	4320
gagcgtttga	ccaagcagtt	ccaggcggtc	ccacagctcg	gtcacctgct	ctacggcatc	4380
tcgatccagc	atatctcctc	gtttcgcggg	ttggggcggc	tttcgctgta	cggcagtagt	4440
cggtgctcgt	ccagacgggc	cagggtcatg	tctttccacg	ggcgcagggt	cctcgtcagc	4500
gtagtctggg	tcacggtgaa	ggggtgcgct	ccgggctgcg	cgctggccag	ggtgcgcttg	4560
aggctgggtc	tgctgggtgct	gaagcgctgc	cggctcttcgc	cctgcgcgct	ggccaggtag	4620
catttgacca	tgggtgtcata	gtccagcccc	tccgcggcgt	ggcccttggc	gcgcagcttg	4680

cccttgagg	aggcgccgca	cgaggggcag	tgcagacttt	tgagggcgta	gagcttgggc	4740
gcgagaaata	ccgattccgg	ggagtaggca	tccgcgcgc	aggccccgca	gacggtctcg	4800
cattccacga	gccaggtgag	ctctggccgt	tcggggtcaa	aaaccaggtt	tccccatgc	4860
tttttgatgc	gtttcttacc	tctggtttcc	atgagccggt	gtccacgctc	ggtgacgaaa	4920
aggctgtccg	tgtccccgta	tacagacttg	agaggcctgt	cctcgagcgg	tgttccgcgg	4980
tcctcctcgt	atagaaaactc	ggaccactct	gagacaaagg	ctcgcgtcca	ggccagcacg	5040
aaggaggcta	agtgggaggg	gtagcggtcg	ttgtccacta	gggggtccac	tcgctccagg	5100
gtgtgaagac	acatgtcgcc	ctcttcggca	tcaaggaagg	tgattggttt	gtaggtgtag	5160
gccacgtgac	cgggtgttcc	tgaagggggg	ctataaaagg	gggtgggggc	gcgttcgtcc	5220
tcactctctt	ccgcatcgct	gtctgcgagg	gccagctggt	ggggtgagta	ctccctctga	5280
aaagcgggca	tgacttctgc	gctaagattg	tcagtttcca	aaaacgagga	ggatttgata	5340
ttcacctggc	ccgcggtgat	gcctttgagg	gtggccgcat	ccatctggtc	agaaaagaca	5400
atctttttgt	tgtcaagctt	ggtggcaaac	gacccgtaga	gggcgttgga	cagcaacttg	5460
gcgatggagc	gcagggtttg	gtttttgtcg	cgatcggcgc	gctccttggc	cgcatgttt	5520
agctgcacgt	attcgcgcgc	aacgcacgc	cattcgggaa	agacggtggt	gcgctcgtcg	5580
ggcaccaggt	gcacgcgcca	accgcggttg	tgcaggggtga	caagggtcaac	gctggtggct	5640
acctctccgc	gtaggcgctc	gttgggtccag	cagaggcggc	cgcccttgcg	cgagcagaat	5700
ggcggtaggg	ggtctagctg	cgtctcgtcc	gggggggtctg	cgtccacggt	aaagaccccg	5760
ggcagcaggc	gcgcgtcgaa	gtagtctatc	ttgcatectt	gcaagtctag	cgctgtctgc	5820
catgcgcggg	cggcaagcgc	gcgctcgtat	gggttgagtg	ggggacccca	tggcatgggg	5880
tgggtgagcg	cggaggcgta	catgccgcaa	atgtcgtaaa	cgtagagggg	ctctctgagt	5940
attccaagat	atgtagggta	gcatcttcca	ccgcggatgc	tggcgcgcac	gtaatcgtat	6000
agttcgtgcg	agggagcgag	gaggtcggga	ccgaggttgc	tacgggcggg	ctgctctgct	6060
cggaaagacta	tctgcctgaa	gatggcatgt	gagttggatg	atatggttgg	acgctggaag	6120
acgttgaagc	tggcgtctgt	gagacctacc	gcgtcacgca	cgaaggaggc	gtaggagtcg	6180
cgcagcttgt	tgaccagctc	ggcggtgacc	tgcacgtcta	gggcgcagta	gtccagggtt	6240
tccttgatga	tgtcatactt	atcctgtccc	ttttttttcc	acagctcgcg	gttgaggaca	6300
aactcttcgc	ggtctttcca	gtactcttgg	atcggaacc	cgtcggcctc	cgaacggtaa	6360
gagcctagca	tgtagaactg	gttgacggcc	tggtaggcgc	agcatccctt	ttctacgggt	6420
agcgcgtatg	cctgcgcggc	cttcgggagc	gaggtgtggg	tgagcgcaaa	ggtgtccctg	6480

accatgactt tgagg tactg gtatttgaag tcagtgtcgt cgcattccgcc ctgctcccag	6540
agcaaaaagt ccgtgcgctt tttggaacgc ggatttggca gggcgaagg gacatcgctt	6600
aagagtatct tccccgcgcg aggcataaag ttgcgtgtga tgcggaagg tccccgcacc	6660
tcggaacggt tgttaattac ctgggcggcg agcacgatct cgtcaaagcc gttgatgttg	6720
tggccccaaa tgtaaagttc caagaagcgc gggatgccct tgatggaagg caatttttta	6780
agttcctcgt aggtgagctc ttcaggggag ctgagcccgt gctctgaaag ggcccagtct	6840
gcaagatgag ggttggaagc gacgaatgag ctccacaggt cacgggcat tagcatttgc	6900
aggtggtcgc gaaaggctct aaactggcga cctatggcca ttttttctgg ggtgatgcag	6960
tagaaggtaa gcgggtcttg tccccagcgg tcccatccaa ggttcgcggc taggtctcgc	7020
gcggcagtc ctagaggctc atctccgccg aacttcatga ccagcatgaa gggcacgagc	7080
tgcttcccaa agggccccat ccaagtatag gtctctacat cgtaggtgac aaagagacgc	7140
tcggtgcgag gatgcgagcc gatcgggaag aactggatct cccgccacca attggaggag	7200
tggctattga tgtggtgaaa gtagaagtcc ctgcgacggg ccgaacactc gtgctggctt	7260
ttgtaaaaaac gtgcgcagta ctggcagcgg tgcacgggct gtacatcctg cacgagggtg	7320
acctgacgac cgcgcacaag gaagcagagt gggaaattga gccctcgcgc tggcgggttt	7380
ggctggtggt cttctacttc ggctgcttgt ccttgaccgt ctggctgctc gaggggagtt	7440
acggtggatc ggaccaccac gccgcgcgag cccaaagtcc agatgtccgc gcgcggcggt	7500
cggagcttga tgacaacatc gcgcagatgg gagctgtcca tggctctggag cccccgcggc	7560
gtcaggtcag gcgggagctc ctgcaggttt acctcgcata gacgggtcag ggcgcgggct	7620
agatccaggt gatacctaatt tccaggggc tggttggtgg cggcgtcgat ggcttgcaag	7680
aggccgcac cccgcggcgc gactacggta ccgcgcggcg ggcggtgggc cgcgggggtg	7740
tccttggatg atgcatctaa aagcggtgac gcgggcgagc ccccgaggt agggggggct	7800
ccggaccgc cgggagaggg ggcaggggca cgtcggcgcc gcgcgcgggc aggagctggt	7860
gctgcgcgc taggttgctg gcgaacgcga cgacgcggcg gttgatctcc tgaatctggc	7920
gcctctgcgt gaagacgacg ggccccggtga gcttgagcct gaaagagagt tcgacagaat	7980
caatttcggt gtcgttgacg gcggcctggc gcaaaatctc ctgcacgtct cctgagttgt	8040
cttgatagc gatctcggcc atgaactgct cgatctcttc ctctggaga tctccgcgtc	8100
cggctcgtc cacggtggcg gcgaggtcgt tggaaatgcg ggccatgagc tgcgagaagg	8160
cgttgaggcc tccctcgttc cagacgcggc tgtagaccac gccccttcg gcacgcggg	8220

cgcgcatgac cacctgcgcg agattgagct ccacgtgccg ggogaagacg gcgtagtttc	8280
gcaggcgctg aaagaggtag ttgaggggtg tggcggtgtg ttctgccacg aagaagtaca	8340
taaccacagc tgcgaacgtg gattcgttga tatcccccaa ggctcaagg cgctccatgg	8400
cctcgtagaa gtccacggcg aagttgaaaa actgggagtt gcgcgccgac acggttaact	8460
cctcctccag aagacggatg agctcggcga cagtgtcgcg cacctcgcgc tcaaaggcta	8520
caggggcctc ttcttcttct tcaatctcct cttccataag ggctccctt tcttcttctt	8580
ctggcgggcg tgggggaggg gggacacggc ggcgacgacg gcgcaccggg aggcggtcga	8640
caaagcgctc gatcatctcc ccgcggcgac ggcgcatggt ctcggtgacg gcgcggccgt	8700
tctcgcgggg gcgcagttgg aagacgccgc ccgtcatgtc ccggttatgg gttggcgggg	8760
ggctgccatg cggcagggat acggcgctaa cgatgcattt caacaattgt tgtgtaggta	8820
ctccgccgcc gagggacctg agcgagtccg catcgaccgg atcggaatac ctctcgagaa	8880
aggcgtctaa ccagtcacag tcgcaaggta ggctgagcac cgtggcgggc ggcagcgggc	8940
ggcggtcggg gttgtttctg gcggaggtgc tgctgatgat gtaattaaag taggcggtct	9000
tgagacggcg gatggtcgac agaagcacca tgtccttggg tccggcctgc tgaatgcgca	9060
ggcggtcggc catgccccag gcttcgtttt gacatcggcg cagggtctttg tagtagtctt	9120
gcatgagcct ttctaccggc acttcttctt ctcttctctc ttgtcctgca tctcttgcatt	9180
ctatcgctgc ggcggcgggc gagtttgccc gtaggtggcg ccctcttctt cccatgcgtg	9240
tgaccccgaa gccctcatc ggctgaagca ggcgtaggtc ggcgacaacg cgctcggcta	9300
atatggcctg ctgcacctgc gtgagggtag actggaagtc atccatgtcc acaaagcggg	9360
ggatatgcgc cgtgttgatg gtgtaagtgc agttggccat aacggaccag ttaacgggtct	9420
ggtgaccggc ctgcgagagc tcggtgtacc tgagacgcca gtaagccctc gagtcaaata	9480
cgtagtcgtt gcaagtccgc accagggtact ggtatccac caaaaagtgc ggcggcggtc	9540
ggcggtagag gggccagcgt agggtgccg ggcgtccggg ggcgagatct tccaacataa	9600
ggcgatgata tccgtagatg tacctggaca tccagggtgat gccggcgggc gtggtggagg	9660
cgcgcggaag gtcgaggacg cggttccaga tgttgcgag cggcaaaaag tgctccatgg	9720
tcgggacgct ctggccggtc aggcgcgcgc aatcgttgac gctctagacc gtgcaaaagg	9780
agagcctgta agcgggcact cttccgtggt ctggtggata aattcgcaag ggtatcatgg	9840
cggacgaccg gggttcgagc cccgtatccg gccgtccgcc gtgatccatg cggttaccgc	9900
ccgcgtgtcg aaccaggtg tgcgacgtca gacaacgggg gagtgctcct tttggcttcc	9960
ttccaggcgc ggcggctgct gcgctagctt ttttggccac tggccgcgcg cagcgtaagc	10020

ggtaggctg gaaagcgaag gcattaagt gctcgtccc ttagccgga ggggtatattt 10080
 ccaaggggtg agtcgcggga ccccggttc gagtctcgga ccggccggac tgcggcgaac 10140
 ggggggttgc ctccccgtca tgcaagacc cgcttgcaaa ttctccgga aacagggacg 10200
 agcccccttt ttgcttttcc cagatgcac cggtgctgcg gcagatgcgc cccctcctc 10260
 agcagcggca agagcaagag cagcggcaga catgcagggc accctcccct cctcctaccg 10320
 cgtcaggagg ggcgacatcc gcggttgac cggcagcaga tgggtgattac gaacccccgc 10380
 ggcgcggggc ccggcactac ctggacttgg aggagggcga gggcctggcg cggctaggag 10440
 cgccctctcc tgagcgttac ccaaggggtg agctgaagcg tgatacgcgt gaggcgtacg 10500
 tgccgcggca gaacctgttt cgcgaccgcg agggagagga gcccgaggag atgcgggatc 10560
 gaaagttcca cgcagggcg gcgctgcggc atggcctgaa tcgcgagcgg ttgctgcgcg 10620
 aggaggactt tgagcccgac gcgcgaaccg ggattagtcc cgcgcgcgca cacgtggcgg 10680
 ccgccgacct ggtaaccgca tacgagcaga cggatgaacca ggagattaac tttcaaaaaa 10740
 gctttaacaa ccacgtgcgt acgcttggtg cgcgcgagga ggtggctata ggactgatgc 10800
 atctgtggga ctttgtaagc gcgctggagc aaaacccaaa tagcaagccg ctcatggcgc 10860
 agctgttcct tatagtgcag cacagcaggg acaacgaggc attcagggat gcgctgctaa 10920
 acatagtaga gcccgagggc cgctggctgc tcgatttgat aaacatcctg cagagcatag 10980
 tgggtgcagga gcgcagcttg agcctggctg acaaggtggc cgccatcaac tattccatgc 11040
 ttagcctggg caagttttac gcccgcaaga tataccatac cccttacgtt cccatagaca 11100
 aggaggtaaa gatcgagggg ttctacatgc gcatggcgct gaaggtgctt accttgagcg 11160
 acgacctggg cgtttatcgc aacgagcgc tccacaaggc cgtgagcgtg agccggcggc 11220
 gcgagctcag cgaccgcgag ctgatgcaca gcctgcaaag ggccctggct ggcacgggca 11280
 gcggcgatag agaggccgag tcctactttg acgcgggcgc tgacctgcgc tgggccccaa 11340
 gccgacgcgc cctggaggca gctggggccg gacctgggct ggcggtggca cccgcgcgcg 11400
 ctggcaacgt cggcggcgtg gaggaatatg acgaggacga tgagtacgag ccagaggacg 11460
 gcgagtacta agcggtgatg tttctgatca gatgatgcaa gacgcaacgg acccgcggt 11520
 gcggggcgcg ctgcagagcc agcgtccgg ccttaactcc acggacgact ggcgccagg 11580
 catggaccgc atcatgtcgc tgactgcgcg caatcctgac gcgttcggc agcagccgca 11640
 ggccaaccgg ctctccgcaa ttctggaagc ggtggtccc ggcgcgcaa accccacgca 11700
 cgagaaggtg ctggcgatcg taaacgcgct ggccgaaaac agggccatcc ggcccgacga 11760

ggccggcctg	gtctacgacg	cgctgcttca	gcgcgtggct	cgttacaaca	gcggcaacgt	11820
gcagaccaac	ctggaccggc	tgggtggggga	tgtgcgcgag	gccgtggcgc	agcgtgagcg	11880
cgcgcagcag	cagggcaacc	tgggctccat	ggttgcaacta	aacgccttcc	tgagtacaca	11940
gcccgccaac	gtgccgcggg	gacaggagga	ctacaccaac	tttgtgagcg	cactgcggct	12000
aatggtgact	gagacaccgc	aaagtgaagt	gtaccagtct	gggccagact	atTTTTTcca	12060
gaccagtaga	caaggcctgc	agaccgtaaa	cctgagccag	gctttcaaaa	acttgcaggg	12120
gctgtggggg	gtgcgggctc	ccacaggcga	ccgcgcgacc	gtgtctagct	tgctgacgcc	12180
caactcgcgc	ctgttgctgc	tgctaatagc	gcccttcacg	gacagtggca	gcgtgtcccg	12240
ggacacatac	ctaggtcact	tgctgacact	gtaccgcgag	gccataggctc	aggcgcagtgt	12300
ggacgagcat	actttccagg	agattacaag	tgtcagccgc	gcgctggggc	aggaggacac	12360
gggcagcctg	gaggcaaccc	taaactacct	gctgaccaac	cggcggcaga	agatccccctc	12420
gttgcacagt	ttaaacagcg	aggaggagcg	cattttgcgc	tacgtgcagc	agagcgtgag	12480
ccttaacctg	atgcgcgacg	gggtaacgcc	cagcgtggcg	ctggacatga	ccgcgcgcaa	12540
catggaaccg	ggcatgtatg	cctcaaaccg	gccgtttatc	aaccgcctaa	tggactactt	12600
gcacgcgcgc	gccgccgtga	accccagata	tttcaccaat	gccatcttga	acccgcactg	12660
gctaccgccc	cctggtttct	acaccggggg	attcgagggtg	cccgagggtta	acgatggatt	12720
cctctggggac	gacatagacg	acagcgtggt	ttccccgcaa	ccgcagaccc	tgctagagtt	12780
gcaacagcgc	gagcaggcag	aggcggcgct	gcgaaaggaa	agcttccgca	ggccaagcag	12840
cttgtccgat	ctaggcgctg	cggccccgcg	gtcagatgct	agtagcccat	ttccaagctt	12900
gataggggtct	cttaccagca	ctcgcaccac	ccgcccgcgc	ctgctggggc	aggaggagta	12960
cctaaacaac	tcgctgctgc	agccgcagcg	cgaaaaaac	ctgcctccgg	cattttcccaa	13020
caacgggata	gagagcctag	tggacaagat	gagtagatgg	aagacgtacg	cgcaggagca	13080
cagggacgtg	ccaggcccg	gcccggccac	ccgtcgtcaa	aggcacgacc	gtcagcgggg	13140
tctggtgtgg	gaggacgatg	actcggcaga	cgacagcagc	gtcctggatt	tgggaggggag	13200
tggcaaccgc	tttgcgcaac	ttcgccccag	gctggggaga	atgtttttaa	aaaaaaaaag	13260
catgatgcaa	aataaaaaac	tcaccaaggc	catggcaccg	agcgttggtt	ttcttgtatt	13320
ccccttagta	tgccggcgcg	ggcgatgtat	gaggaaggtc	ctcctccctc	ctacgagagt	13380
gtggtgagcg	cggcgccagt	ggcggcggcg	ctgggttctc	ccttcgatgc	tcccctggac	13440
ccgccgtttg	tgccctccgc	gtacctgcgg	cctaccgggg	ggagaaacag	catccgttac	13500
tctgagttgg	caccctatt	cgacaccacc	cgtgtgtacc	tgggtggaaa	caagtcaacg	13560

gatgtggcat	ccctgaacta	ccagaacgac	cacagcaact	ttctgaccac	ggtcattcaa	13620
aacaatgact	acagcccggg	ggaggcaagc	acacagacca	tcaatcttga	cgaccggtcg	13680
cactggggcg	gcgacctgaa	aaccatcctg	cataccaaca	tgccaaatgt	gaacgagttc	13740
atgtttacca	ataagtttaa	ggcgcggtg	atggtgtcgc	gcttgccctac	taaggacaat	13800
cagggtggagc	tgaaatacga	gtgggtggag	ttcacgctgc	ccgagggcaa	ctactccgag	13860
accatgacca	tagaccttat	gaacaacgcg	atcgtggagc	actacttgaa	agtgggcaga	13920
cagaacgggg	ttctggaaaag	cgacatcggg	gtaaagtttg	acacccgcaa	cttcagactg	13980
gggtttgacc	ccgtcactgg	tcttgtcatg	cctgggggtat	atacaaacga	agccttccat	14040
ccagacatca	ttttgctgcc	aggatgcggg	gtggacttca	cccacagccg	cctgagcaac	14100
ttgttgggca	tccgcaagcg	gcaacccttc	caggagggct	ttaggatcac	ctacgatgat	14160
ctggaggggtg	gtaacattcc	cgactgttg	gatgtggacg	cctaccaggc	gagcttgaaa	14220
gatgacaccg	aacagggcgg	gggtggcgca	ggcggcagca	acagcagtgg	cagcggcgcg	14280
gaagagaact	ccaacgcggc	agccgcggca	atgcagccgg	tggaggacat	gaacgatcat	14340
gccattcgcg	gcgacacctt	tgccacacgg	gctgaggaga	agcgcgctga	ggccgaagca	14400
gcggccgaag	ctgccgcccc	cgctgcgcaa	cccaggtcgc	agaagcctca	gaagaaaccg	14460
gtgatcaaac	ccctgacaga	ggacagcaag	aaacgcagtt	acaacctaata	aagcaatgac	14520
agcaccttca	cccagtaccg	cagctggtac	cttgcataca	actacggcga	ccctcagacc	14580
ggaatccgct	catggaccct	gctttgcact	cctgacgtaa	cctgcggctc	ggagcaggtc	14640
tactggtcgt	tgccagacat	gatgcaagac	cccgtgacct	tccgctccac	gcgccagatc	14700
agcaactttc	cggtggtggg	cgccgagctg	ttgcccgtgc	actccaagag	cttctacaac	14760
gaccaggccg	tctactccca	actcatccgc	cagtttacct	ctctgaccca	cgtgttcaat	14820
cgctttcccg	agaaccagat	tttggcgcg	ccgccagccc	ccaccatcac	caccgtcagt	14880
gaaaacgttc	ctgctctcac	agatcacggg	acgctaccgc	tgcgcaacag	catcggagga	14940
gtccagcgag	tgaccattac	tgacgccaga	cgccgcacct	gccctacgt	ttacaaggcc	15000
ctgggcatag	tctcgccgcg	cgtcctatcg	agccgcactt	tttgagcaag	catgtccatc	15060
cttatatcgc	ccagcaataa	cacaggctgg	ggcctgcgct	tccaagcaa	gatgtttggc	15120
ggggccaaga	agcgctccga	ccaacaccca	gtgcgcgtgc	gcgggcacta	ccgcgcgccc	15180
tggggcgcg	acaaacgcgg	ccgcactggg	cgcaccaccg	tcgatgacgc	catcgacgcg	15240
gtggtggagg	aggcgcgcaa	ctacacgccc	acgccgccac	cagtgtccac	agtggacgcg	15300

gccattcaga ccgtggtgcg cggagcccg cgctatgcta aaatgaagag acggcggagg 15360
cgcgtagcac gtcgccaccg ccgccgaccc ggcaactgccc cccaacgcgc ggcgccggcc 15420
ctgcttaacc gcgcacgtcg caccggccga cgggcggcca tgcgggccgc tcgaaggctg 15480
gccgcgggta ttgtcactgt gccccccagg tccaggcgac gagcggccgc cgcagcagcc 15540
gcgcccattha gtgctatgac tcagggtcgc aggggcaacg tgtattgggt gcgcgactcg 15600
gttagcggcc tgcgcgtgcc cgtgcgaccc cccccccgc gcaactagat tgcaagaaaa 15660
aactacttag actcgtactg ttgtatgtat ccagcggcgg cggcgcgcaa cgaagctatg 15720
tccaagcgca aaatcaaaga agagatgctc caggatcatcg cgccggagat ctatggcccc 15780
ccgaagaagg aagagcagga ttacaagccc cgaaagctaa agcgggtcaa aaagaaaaag 15840
aaagatgatg atgatgaact tgacgacgag gtggaactgc tgcacgtac cgcgccagc 15900
cgacgggtac agtggaaagg tcgacgcgta aaacgtgttt tgcgaccgg caccaccgta 15960
gtctttacgc ccggtgagcg ctccaccgc acctacaagc gcgtgtatga tgagggtgtac 16020
ggcgacgagg acctgcttga gcaggccaac gagcgctcg gggagtgtgc ctacggaaag 16080
cggcataagg acatgctggc gttgccgctg gacgagggca acccaacacc tagcctaaag 16140
cccgtaacac tgcagcaggt gctgcccgcg cttgcacgt ccgaagaaaa gcgcggccta 16200
aagcgcgagt ctggtgactt ggcacccacc gtgcagctga tggtagccaa gcgccagcga 16260
ctggaagatg tcttgaaaaa aatgaccgtg gaacctgggc tggagcccga ggtccgcgtg 16320
cggccaatca agcagggtggc gccgggactg ggcgtgcaga ccgtggacgt tcagataccc 16380
actaccagta gcaccagtat tgccaccgcc acagagggca tggagacaca aacgtccccg 16440
gttgccctcag cggtaggcga tgccgcggtg caggcggtcg ctgcggccgc gtccaagacc 16500
tctacggagg tgcaaacgga cccgtggatg tttcgcgttt cagcccccg gcgcccgcgc 16560
ggttcgagga agtacggcg cgccagcgcg ctactgccc aatatgccct acatccttcc 16620
attgcgccta cccccggcta tcgtggctac acctaccgcc ccagaagacg agcaactacc 16680
cgacgccgaa ccaccactgg aaccgcgcgc cgccgtcgcc gtcgccagcc cgtgctggcc 16740
ccgatttccg tgcgcagggg ggctcgcgaa ggaggcagga ccctggtgct gccaacagcg 16800
cgctaccacc ccagcatcgt ttaaaagccg gtctttgtgg ttcttgcaga tatggccctc 16860
acctgccgcc tccgtttccc ggtgccggga ttccgaggaa gaatgcaccg taggaggggc 16920
atggccggcc acggcctgac gggcggcgatg cgtcgtgcgc accaccggcg gcggcgcgcg 16980
tcgcaccgtc gcatgcgcgg cggatcctg cccctcctta ttccactgat cgccgcggcg 17040
attggcgccg tgcccggaaat tgcacccgtg gccttgcagg cgcagagaca ctgattaaaa 17100

acaagttgca tgtggaaaaa tcaaaataaa aagtctggac tctcacgctc gcttggctct	17160
gtaactattht tgtagaatgg aagacatcaa ctttgctgtct ctggccccgc gacacggctc	17220
gcgcccgttc atgggaaact ggcaagatat cggcaccagc aatatgagcg gtggcgctct	17280
cagctggggc tgcctgtgga gcggcattaa aaatttcggt tccaccgtta agaactatgg	17340
cagcaaggcc tggaaacagca gcacaggcca gatgctgagg gataagttga aagagcaaaa	17400
tttccaacaa aagggtgtag atggcctggc ctctggcatt agcgggggtgg tggacctggc	17460
caaccaggca gtgcaaaata agattaacag taagcttgat ccccgccctc ccgtagagga	17520
gcctccaccg gccgtggaga cagtgtctcc agaggggctg ggcgaaaagc gtccgcgccc	17580
cgacagggaa gaaactctgg tgacgcaaat agacgagcct cctcgtacg aggaggcact	17640
aaagcaaggc ctgcccacca cccgtcccat cgcgcccctg gctaccggag tgctgggcca	17700
gcacacaccc gtaacgctgg acctgcctcc ccccgccgac acccagcaga aacctgtgct	17760
gccaggcccc accgccgttg ttgtaacccg tcttagccgc gcgtccctgc gccgcgccgc	17820
cagcgggtccg cgatcgcttg gcgccgtagc cagtggcaac tggcaaagca cactgaacag	17880
catcggtggg ctgggggtgc aatccctgaa gcgccgacga tgcttctgaa tagctaactg	17940
gtcgatatgt tgatcatgtat gcgtccatgt cgcgccaga ggagctgctg agccgccgcg	18000
cgcgcgcttt ccaagatggc taccctctcg atgatgccgc agtggcttta catgcacatc	18060
tcggggccagg acgcctcgga gtacctgagc cccgggctgg tgcagtttgc ccgcgccacc	18120
gagacgtact tcagcctgaa taacaagttt agaaacccca cgggtggcgcc tacgcacgac	18180
gtgaccacag accggtccca gcgtttgacg ctgcggttca tccctgtgga ccgtgaggat	18240
actgcgtact cgtacaaggc gcggttcacc ctagctgtgg gtgataaccg tgtgctggac	18300
atggcttcca cgtactttga catccgcggc gtgctggaca ggggccctac ttttaagccc	18360
tactctggca ctgcctacaa cgccctggct cccaagggtg ccccaaattc ttgcgaatgg	18420
gatgaagctg ctactgctct tgaaataaac ctagaagaag aggacgatga caacgaagac	18480
gaagtagacg agcaagctga gcagcaaaaa actcacgtat ttgggcaggc gccttattct	18540
ggtataaata ttacaaagga gggatttcaa atagggtgtcg aagggtcaaac acctaaatat	18600
gccgataaaa catttcaacc tgaacctcaa ataggagaat ctcagtggta cgaaactgaa	18660
attaatcatg cagctgggag agtccttaaa aagactaccc caatgaaacc atgttacggg	18720
tcatatgcaa aaccacaaa tgaaaatgga gggcaaggca ttcttgtaaa gcaacaaaat	18780
ggaaagctag aaagtcaagt ggaaatgcaa tttttctcaa ctactgaggc gaccgcaggc	18840

aatggtgata acttgactcc taaagtggta ttgtacagtg aagatgtaga tatagaaacc 18900
ccagacactc atattttctta catgcccact attaaggaag gtaactcacg agaactaatg 18960
ggccaacaat ctatgcccac caggcctaata tacattgctt ttagggacaa ttttattggt 19020
ctaattgtatt acaacagcac gggtaatatg ggtgttcttg cgggccaagc atcgagttg 19080
aatgctgttg tagatttgca agacagaaac acagagcttt cataccagct tttgcttgat 19140
tccattggtg atagaaccag gtacttttct atgtggaatc aggctgttga cagctatgat 19200
ccagatgtta gaattattga aaatcatgga actgaagatg aacttccaaa ttactgcttt 19260
ccactgggag gtgtgattaa tacagagact cttaccaagg taaaacctaa aacaggtcag 19320
gaaaatggat gggaaaaaga tgctacagaa ttttcagata aaaatgaaat aagagttgga 19380
aataattttg ccatggaaat caatctaaat gccaacctgt ggagaaattt cctgtactcc 19440
aacatagcgc tgtatttgcc cgacaagcta aagtacagtc cttccaacgt aaaaatttct 19500
gataacccaa acacctacga ctacatgaac aagcgagtgg tggctcccgg gttagtggac 19560
tgctacatta accttgagc acgctggtcc cttgactata tggacaacgt caaccattt 19620
aaccaccacc gcaatgctgg cctgcgctac cgctcaatgt tgctgggcaa tggctgctat 19680
gtgcccttcc acatccaggt gcctcagaag ttctttgcca ttaaaaacct ccttctctctg 19740
ccgggctcat acacctacga gtggaacttc aggaaggatg ttaacatggt tctgcagagc 19800
tccctaggaa atgacctaag ggttgacgga gccagcatta agtttgatag catttgctt 19860
tacgccacct tcttccccat ggcccacaac accgcctcca cgcttgaggc catgcttaga 19920
aacgacacca acgaccagtc ctttaacgac tatctctccg ccgccaacat gctctacct 19980
atacccgcca acgctaccaa cgtgcccata tccatcccct cccgcaactg ggcggcttcc 20040
cgcggtctgg ccttcacgcg ccttaagact aaggaaacct catcactggg ctcggtctac 20100
gaccttatt acacctactc tggtctata ccctacctag atggaacctt ttacctcaac 20160
cacaccttta agaagggtgg cattaccttt gactcttctg tcagctggcc tggcaatgac 20220
cgctgctta ccccaacga gtttgaaatt aagcgctcag ttgacgggga gggttacaac 20280
gttgcccagt gtaacatgac caaagactgg ttctggtac aaatgctagc taactacaac 20340
attggctacc agggcttcta tatccagag agctacaagg accgcatgta ctcttctt 20400
agaaacttcc agcccatgag ccgtcaggtg gtggatgata ctaaatacaa ggactaccaa 20460
caggtgggca tcctacacca acacaacaac tctggatttg ttggtacct tgccccacc 20520
atgcgcgaag gacaggccta ccctgctaac ttcccctatc cgcttatagg caagaccgca 20580
gttgacagca ttaccagaa aaagtttctt tgcgatcgca cccttggcg catccattc 20640

tccagtaact	ttatgtccat	gggcgcactc	acagacctgg	gccaaaacct	tctctacgcc	20700
aactccgccc	acgcgctaga	catgactttt	gaggtggatc	ccatggacga	gcccaccctt	20760
ctttatgttt	tgtttgaagt	ctttgacgtg	gtccgtgtgc	accggccgca	ccgcggcgtc	20820
atcgaaaccg	tgtacctgcg	cacgcccttc	tcggccggca	acgccacaac	ataaagaagc	20880
aagcaacatc	aacaacagct	gccgccatgg	gctccagtga	gcaggaactg	aaagccattg	20940
tcaaagatct	tggttgtggg	ccatatTTTT	tgggcacctc	tgacaagcgc	tttccaggct	21000
ttgtttctcc	acacaagctc	gcctgcgcca	tagtcaatac	ggccgggtcg	gagactgggg	21060
gcgtacactg	gatggccttt	gcctggaacc	cgcactcaaa	aacatgctac	ctctttgagc	21120
cctttggcct	ttctgaccag	cgactcaagc	aggtttacca	gtttgagtac	gagtcaactc	21180
tgcgccgtag	cgccattgct	tcttcccccg	accgctgtat	aacgctggaa	aagtccaccc	21240
aaagcgtaca	ggggcccaac	tcggccgcct	gtggactatt	ctgctgcatg	tttctccacg	21300
cctttgccaa	ctggccccaa	actcccatgg	atcacaaccc	caccatgaac	cttattaccg	21360
gggtacccaa	ctccatgctc	aacagtcccc	aggtacagcc	caccctgcgt	cgcaaccagg	21420
aacagctcta	cagcttcctg	gagcgccact	cgccctactt	ccgcagccac	agtgcgcaga	21480
ttaggagcgc	cacttctttt	tgtcacttga	aaaacatgta	aaaataatgt	actagagaca	21540
ctttcaataa	aggcaaattg	ttttatTTTg	acactctcgg	gtgattatTT	acccccaccc	21600
ttgccgtctg	cgccgtttta	aaatcaaagg	ggttctgccc	cgcatcgcta	tgcgccactg	21660
gcagggacac	gttgcgatac	tggtgttttag	tgctccactt	aaactcaggc	acaaccatcc	21720
gcggcagctc	ggtgaagttt	tcactccaca	ggctgcgcac	catcaccaac	gcgttttagca	21780
ggtcggggcg	cgatatcttg	aagtgcgagt	tggggcctcc	gccctgcgcg	cgcgagttgc	21840
gatacacagg	gttgcagcac	tggaacacta	tcagcgccgg	gtggtgcacg	ctggccagca	21900
cgctcttgtc	ggagatcaga	tccgcgtcca	ggctctccgc	gttgctcagg	gcgaacggag	21960
tcaacttttg	tagctgcctt	cccaaaaagg	gcgcgtgccc	aggctttgag	ttgcaactcg	22020
accgtagtgg	catcaaaaagg	tgaccgtgcc	cggctctggg	gttaggatac	agcgcctgca	22080
taaaagcctt	gatctgctta	aaagccacct	gagcctttgc	gccttcagag	aagaacatgc	22140
cgcaagactt	gccggaaaac	tgattggccg	gacaggccgc	gtcgtgcacg	cagcaccttg	22200
cgtcggtgtt	ggagatctgc	accacatttc	ggccccaccg	gttcttcacg	atcttggcct	22260
tgctagactg	ctccttcagc	gcgcgctgcc	cgttttcgct	cgtcacatcc	atttcaatca	22320
cgtgctcctt	atttatcata	atgcttccgt	gtagacactt	aagctcgcc	tcgatctcag	22380

cgcagcgggtg	cagccacaac	gcgagccccg	tgggctcgtg	atgcttgtag	gtcacctctg	22440
caaacgactg	caggtacgcc	tgcaggaatc	gccccatcat	cgtcacaaag	gtcttggtgc	22500
tgggtgaagg	cagctgcaac	ccgcgggtgct	cctcgttcag	ccaggtcttg	catacggccg	22560
ccagagcttc	cacttggtca	ggcagtagtt	tgaagttcgc	ctttagatcg	ttatccacgt	22620
ggtaacttgc	catcagcgcg	cgcgcagcct	ccatgccctt	ctcccacgca	gacacgatcg	22680
gcacactcag	cgggttcac	accgtaattt	cactttccgc	ttcgtggggc	tcttcctctt	22740
cctcttgctg	ccgcatacca	cgcgccactg	ggtcgtcttc	attcagccgc	cgcactgtgc	22800
gcttacctcc	tttgccatgc	ttgattagca	ccggtggggt	gctgaaaccc	accatttgta	22860
gcgccacatc	ttctctttct	tctcgtctgt	ccacgattac	ctctgggtgat	ggcgggct	22920
cgggcttggg	agaagggcgc	ttctttttct	tcttggggcg	aatggccaaa	tccgccgccg	22980
aggctcgatg	ccgcgggctg	ggtgtgcgcg	gcaccagcgc	gtcttgat	gagtcttctt	23040
cgtcctcgga	ctcgatacgc	cgcctcatcc	gcttttttgg	gggcgcccgg	ggaggcggcg	23100
gcgacgggga	cggggacgac	acgtcctcca	tgggtggggg	acgtcgcgcc	gcaccgcgtc	23160
cgcgctcggg	ggtgggttctg	cgtgctcctt	cttcccgact	ggccatttcc	ttctcctata	23220
ggcagaaaaa	gatcatggag	tcagtcgaga	agaaggacag	cctaaccgcc	ccctctgagt	23280
tcgccaccac	cgcctccacc	gatgccgcc	acgcgcctac	caccttcccc	gtcgaggcac	23340
ccccgcttga	ggaggaggaa	gtgattatcg	agcaggaccc	aggttttgta	agcgaagacg	23400
acgaggaccg	ctcagtacca	acagaggata	aaaagcaaga	ccaggacaac	gcagaggcaa	23460
acgaggaaca	agtcggggcg	ggggacgaaa	ggcatggcga	ctacctagat	gtgggagacg	23520
acgtgctgtt	gaagcatctg	cagcgccagt	gcgccattat	ctgcgacgcg	ttgcaagagc	23580
gcagcgatgt	gcccctcgcc	atagcggatg	tcagccttgc	ctacgaacgc	cacctattct	23640
caccgcgcgt	acccccaaa	cgccaaagaa	acggcacatg	cgagcccaac	ccgcgcctca	23700
acttctaccc	cgtatttgcc	gtgccagagg	tgcttgccac	ctatcacatc	tttttccaaa	23760
actgcaagat	acccttatcc	tgccgtgcc	accgcagccg	agcggacaag	cagctggcct	23820
tgccggcagg	cgtgtcata	cctgatatcg	cctcgctcaa	cgaagtgcc	aaaatctttg	23880
agggtcttgg	acgcgacgag	aagcgcgcg	caaacgctct	gcaacaggaa	aacagcgaaa	23940
atgaaagtca	ctctggagt	ttggtggaac	tcgaggggtga	caacgcgcgc	ctagccgtac	24000
taaaacgcag	catcgaggtc	acccactttg	cctaccgcgc	acttaacct	cccccaagg	24060
tcatgagcac	agtcatgagt	gagctgatcg	tcgcgccgtg	gcagcccctg	gagagggatg	24120
caaatttgca	agaacaaaca	gaggagggcc	taccgcagct	tggcgacgag	cagctagcgc	24180

gctggcttca	aacgcgcgag	cctgccgact	tggaggagcg	acgcaaacta	atgatggccg	24240
cagtgctcgt	taccgtggag	cttgagtgca	tgcagcgggt	ctttgctgac	ccggagatgc	24300
agcgcaagct	agaggaaaca	ttgcactaca	cctttcgaca	gggctacgta	cgccaggcct	24360
gcaagatctc	caacgtggag	ctctgcaacc	tggctctcta	ccttggaatt	ttgcacgaaa	24420
accgccttgg	gcaaaacgtg	cttcattcca	cgctcaaggg	cgaggcgcgc	cgcgactacg	24480
tccgcgactg	cgtttactta	tttctatgct	acacctggca	gacggccatg	ggcgtttggc	24540
agcagtgcct	ggaggagtgc	aacctcaagg	agctgcagaa	actgctaaag	caaaacttga	24600
aggacctatg	gacggccttc	aacgagcgct	ccgtggccgc	gcacctggcg	gacatcattt	24660
tccccgaacg	cctgcttaaa	accctgcaac	agggctctgcc	agacttcacc	agtcaaagca	24720
tgttgacagaa	ctttaggaac	tttatcctag	agcgctcagg	aattctgccc	gccacctgct	24780
gtgcacttcc	tagcgacttt	gtgcccatta	agtaccgcga	atgccctccg	ccgctttggg	24840
gccactgcta	ccttctgcag	ctagccaact	accttgcccta	ccactctgac	ataatggaag	24900
acgtgagcgg	tgacgggtcta	ctggagtgtc	actgtcgcgtg	caacctatgc	accccgccacc	24960
gctccctggg	ttgcaattcg	cagctgctta	acgaaagtca	aattatcggg	acctttgagc	25020
tgcaggggtcc	ctcgccctgac	gaaaagtccg	cggctccggg	gttgaaactc	actccggggc	25080
tgtggacgtc	ggcttacctt	cgcaaatttg	tacctgagga	ctaccacgcc	cacgagatta	25140
ggttctacga	agaccaatcc	cgcccgccaa	atgcggagct	taccgcctgc	gtcattaccc	25200
agggccacat	tottggccaa	ttgcaagcca	tcaacaaagc	ccgccaaagag	tttctgctac	25260
gaaagggacg	gggggtttac	ttggaccccc	agtccggcga	ggagctcaac	ccaatcccc	25320
cgccgccgca	gccctatcag	cagcagccgc	gggcccttgc	ttcccaggat	ggcaccctaaa	25380
aagaagctgc	agctgccgcc	gccaccacacg	gacgaggagg	aatactggga	cagtcaggca	25440
gaggagggtt	tggacgagga	ggaggaggac	atgatggaag	actgggagag	cctagacgag	25500
gaagcttccg	aggtcgaaga	ggtgtcagac	gaaacaccgt	caccctcggt	cgcattcccc	25560
tcgccggcgc	cccagaaatc	ggcaaccggt	tccagcatgg	ctacaacctc	cgctcctcag	25620
gcgccgccgg	cactgcccgt	tcgccgaccc	aaccgtagat	gggacaccac	tggaaccagg	25680
gccggtaagt	ccaagcagcc	gccgccgtta	gccaagagc	aacaacagcg	ccaaggctac	25740
cgctcatggc	gcgggcacaa	gaacgccata	gttgcttgct	tgcaagactg	tgggggcaac	25800
atctccttcg	cccgcgcgtt	tcttctctac	catcacggcg	tggccttccc	ccgtaacatc	25860
ctgcattact	accgtcatct	ctacagccca	tactgcaccg	gcggcagcgg	cagcggcagc	25920

aacagcagcg	gccacacaga	agcaaaggcg	accggatagc	aagactctga	caaagcccaa	25980
gaaatccaca	gcggcggcag	cagcaggagg	aggagcgctg	cgtctggcgc	ccaacgaacc	26040
cgtatcgacc	cgcgagctta	gaaacaggat	ttttcccact	ctgtatgcta	tatttcaaca	26100
gagcaggggc	caagaacaag	agctgaaaat	aaaaaacagg	tctctgcgat	ccctcaccgc	26160
cagctgcttg	tatcacaaaa	gcgaagatca	gcttcggcgc	acgctggaag	acgcggaggc	26220
tctcttcagt	aaatactgcg	cgctgactct	taaggactag	tttcgcgccc	tttctcaaat	26280
ttaagcgcga	aaactacgtc	atctccagcg	gccacaccgc	gcgccagcac	ctgtcgtcag	26340
cgccattatg	agcaaggaaa	ttcccacgcc	ctacatgtgg	agttaccagc	cacaaatggg	26400
acttgcggtc	ggagctgccc	aagactactc	aaccggaata	aactacatga	gcgcgggacc	26460
ccacatgata	tcccgggtca	acggaatccg	cgccaccgga	aaccgaattc	tcttggaaca	26520
ggcggctatt	accaccacac	ctcgtataaa	ccttaatccc	cgtagttggc	ccgtcgcctt	26580
ggtgtaccag	gaaagtcccc	ctcccaccac	tgtggtactt	cccagagacg	cccaggccga	26640
agttcagatg	actaactcag	gggcgcagct	tgcgggcggc	tttcgtcaca	gggtgcggtc	26700
gcccgggcag	ggtataactc	acctgacaat	cagagggcga	ggtattcagc	tcaacgacga	26760
gtcgggtgagc	tctcgccttg	gtctccgtcc	ggacgggaca	tttcagatcg	gcggcgcggg	26820
ccgtccttca	ttcacgcctc	gtcaggcaat	cctaactctg	cagacctcgt	cctctgagcc	26880
gcgctctgga	ggcattggaa	ctctgcaatt	tattgaggag	tttgtgccat	cgggtctactt	26940
taacccttcc	tcgggacctc	ccggccacta	tccggatcaa	tttattccta	actttgacgc	27000
ggtaaaggac	tcggcgggacg	gctacgactg	aatgttaatt	aagttcctgt	ccatccgcac	27060
ccactatctt	catgttggtg	cagatgaagc	gcgcaagacc	gtctgaagat	accttcaacc	27120
ccgtgtatcc	atatgacacg	gaaaccggtc	ctccaactgt	gccttttctt	actcctccct	27180
ttgtatcccc	caatgggttt	caagagagtc	cccctggggg	actctctttg	cgcctatccg	27240
aacctctagt	tacctccaat	ggcatgcttg	cgctcaaaat	gggcaacggc	ctctctctgg	27300
acgaggccgg	caaccttacc	tcccaaaatg	taaccactgt	gagcccacct	ctcaaaaaaa	27360
ccaagtcaaa	cataaacctg	gaaatatctg	caccctcac	agttacctca	gaagccctaa	27420
ctgtggctgc	cgccgcacct	ctaattggtc	cgggcaacac	actcaccatg	caatcacagg	27480
ccccgctaac	cgtgcacgac	tccaaactta	gcattgccac	ccaaggaccc	ctcacagtgt	27540
cagaaggaaa	gctagccctg	caaacatcag	gccccctcac	caccaccgat	agcagtaccc	27600
ttactatcac	tgccctaccc	cctctaacta	ctgccactgg	tagcttgggc	attgacttga	27660
aagagcccat	ttatacacia	aatggaaaac	taggactaaa	gtacggggct	cctttgcatg	27720

taacagacga	cctaaacact	ttgaccgtag	caactgggtcc	agggtgtgact	attaataata	27780
cttccttgca	aactaaagtt	actggagcct	tgggttttga	ttcacaaaggc	aatatgcaac	27840
ttaatgtagc	aggaggacta	aggattgatt	ctcaaaacag	acgccttata	cttgatgtta	27900
gttatccggt	tgatgctcaa	aaccaactaa	atctaagact	aggacagggc	cctcttttta	27960
taaactcagc	ccacaacttg	gatattaact	acaacaaagg	cctttacttg	tttacagctt	28020
caaacaattc	caaaaagctt	gaggttaacc	taagcactgc	caaggggttg	atgtttgacg	28080
ctacagccat	agccattaat	gcaggagatg	ggcttgaatt	tggttcacct	aatgcaccaa	28140
acacaaatcc	cctcaaaaca	aaaattggcc	atggcctaga	atttgattca	aacaaggcta	28200
tggttcctaa	actaggaact	ggccttagtt	ttgacagcac	aggtgccatt	acagtaggaa	28260
acaaaaataa	tgataagcta	actttgtgga	ccacaccagc	tccatctcct	aactgtagac	28320
taaatgcaga	gaaagatgct	aaactcactt	tggctctaac	aaaatgtggc	agtcaaatac	28380
ttgctacagt	ttcagttttg	gctgttaaag	gcagtttggc	tccaatatct	ggaacagttc	28440
aaagtgctca	tcttattata	agatttgacg	aaaatggagt	gctactaaac	aattccttcc	28500
tggaccagca	atattggaac	tttagaaatg	gagatcttac	tgaaggcaca	gcctatacaa	28560
acgctgttgg	atztatgcct	aacctatcag	cttatccaaa	atctcacggt	aaaactgcca	28620
aaagtaacat	tgtcagtcaa	gtttacttaa	acggagacaa	aactaaacct	gtaacactaa	28680
ccattacact	aaacggtaca	caggaaacag	gagacacaac	tccaagtgca	tactctatgt	28740
cattttcatg	ggactgggtc	ggccacaact	acattaatga	aatatttgcc	acatcctctt	28800
acactttttc	atacattgcc	caagaataaa	gaatcgtttg	tgttatgttt	caacgtgttt	28860
atttttcaat	tgcaaaaaat	ttcaagtcac	ttttcattca	gtagtatagc	cccaccacca	28920
catagcttat	acagatcacc	gtaccttaac	caaactcaca	gaaccctagt	attcaacctg	28980
ccacctccct	cccaacacac	agagtacaca	gtcctttctc	cccggctggc	cttaaaaagc	29040
atcatatcat	gggtaacaga	catattctta	ggtgttatat	tccacacggt	ttcctgtcga	29100
gccaaacgct	catcagtgat	attaataaac	tccccgggca	gctcacttaa	gttcagtgtc	29160
ctgtccagct	gctgagccac	aggctgctgt	ccaacttgcg	gttgcttaac	gggcggcgaa	29220
ggagaagtcc	acgcctacat	gggggtagag	tcataatcgt	gcatacaggat	agggcggttg	29280
tgctgcagca	gcgcgcgaat	aaactgctgc	cgccgccgct	ccgtcctgca	ggaatacaac	29340
atggcagtg	tctcctcagc	gatgattcgc	accgcccgc	gcataaggcg	ccttgctctc	29400
cgggcacagc	agcgcacct	gatctcactt	aatcagcac	agtaactgca	gcacagcacc	29460

acaatattgt tcaaaatccc acagtgaag gcgctgtatc caaagctcat ggcggggacc 29520
 acagaaccca cgtggccatc ataccacaag cgcaggtaga ttaagtggcg acccctcata 29580
 aacacgctgg acataaacat tacctctttt ggcatgttgt aattcaccac ctcccgtac 29640
 catataaacc tctgattaaa catggcgcca tccaccacca tcctaaacca gctggccaaa 29700
 acctgcccgc cggctataca ctgcagggaa cggggactgg aacaatgaca gtggagagcc 29760
 caggactcgt aaccatggat catcatgctc gtcatgatat caatgttggc acaacacagg 29820
 cacacgtgca tacacttcct caggattaca agtcctctcc gcgttagaac catatcccag 29880
 ggaacaaccc attcctgaat cagcgtaa atccacactgc agggaagacc tcgcacgtaa 29940
 ctacgcttgt gcattgtcaa agtggtacat tcgggcagca gcggatgatc ctccagtatg 30000
 gtagcgcggtg tttctgtctc aaaaggaggt agacgatccc tactgtacgg agtgcgccga 30060
 gacaaccgag atcgtgttgg tcgtagtgtc atgccaaatg gaacgccgga cgtagtcata 30120
 tttcctgaag caaaaccagg tgcgggctg acaaacagat ctgcgtctcc ggtctcgccg 30180
 cttagatcgc tctgtgtagt agttgtagta tatccactct ctcaaagcat ccaggcgccc 30240
 cctggcttcg gggtctatgt aaactccttc atgcgcgct gccctgataa catccaccac 30300
 cgcagaataa gccacacca gccaacctac acattcgttc tgcgagtcac acacgggagg 30360
 agcgggaaga gctggaagaa ccatgttttt ttttttatcc caaaagatta tccaaaacct 30420
 caaatgaag atctattaag tgaacgcgt cccctccggt ggctgtgtca aactctacag 30480
 ccaaagaaca gataatggca tttgtaagat gttgcacaat ggcttccaaa aggcaaacgg 30540
 ccctcacgtc caagtggacg taaaggctaa acccttcagg gtgaatctcc tctataaaca 30600
 ttccagcacc ttcaaccatg cccaaataat tctcatctcg ccaccttctc aatatactc 30660
 taagcaaadc ccgaatatta agtccggcca ttgtaaaaat ctgctccaga gcgccctcca 30720
 ccttcagcct caagcagcga atcatgattg caaaaattca ggttcctcac agacctgtat 30780
 aagattcaaa agcgggaacat taacaaaaat accgcgatcc cgtaggtccc ttcgcagggc 30840
 cagctgaaca taatcgtgca ggtctgcacg gaccagcgcg gccacttccc cgccagggaac 30900
 cttgacaaaa gaaccacac tgattatgac acgcatactc ggagctatgc taaccagcgt 30960
 agccccgatg taagctttgt tgcattggcg gcgatataaa atgcaagggt ctgctcaaaa 31020
 aatcaggcaa agcctcgcgc aaaaaagaaa gcacatcgta gtcattgctca tgcagataaa 31080
 ggcaggtaag ctccggaacc accacagaaa aagacacat ttttctctca aacatgtctg 31140
 cgggtttctg cataaacaca aaataaaata acaaaaaaac atttaaacat tagaagcctg 31200
 tcttacaaca ggaaaaacaa cccttataag cataagacgg actacggcca tgccggcggtg 31260

accgtaaaaa	aactgggtcac	cgtgattaaa	aagcaccacc	gacagctcct	cggatcatgtc	31320
cggagtcata	atgtaagact	cggtaaacac	atcagggttga	ttcatcgggtc	agtgctaaaa	31380
agcgaccgaa	atagcccggg	ggaatacata	cccgcaggcg	tagagacaac	attacagccc	31440
ccataggagg	tataacaaaa	ttaataggag	agaaaaacac	ataaacacct	gaaaaaccct	31500
cctgcctagg	caaaatagca	ccctcccgt	ccagaacaac	atacagcgct	tcacagcggc	31560
agcctaacag	tcagccttac	cagtaaaaaa	gaaaacctat	taaaaaaca	ccactcgaca	31620
cggcaccagc	tcaatcagtc	acagtgtaaa	aaagggccaa	gtgcagagcg	agtatatata	31680
ggactaaaaa	atgacgtaac	ggttaaagtc	cacaaaaaac	acccagaaaa	ccgcacgcga	31740
acctacgccc	agaaacgaaa	gccaaaaaac	ccacaacttc	ctcaaactgt	cacttccgtt	31800
ttcccacgtt	acgtaacttc	ccattttaag	aaaactacaa	ttcccaacac	atacaagtta	31860
ctccgccccta	aaacctacgt	cacccgcccc	gttcccacgc	cccgcgccac	gtcacaaact	31920
ccacccccctc	attatcatat	tggcttcaat	ccaaaataag	gtatattatt	gatgat	31976

<210> 2
 <211> 31976
 <212> DNA
 <213> adenovirus

<400> 2	
catcatcaat	aataacctt
atcttggtgatt	gaagccaata
tgataatgag	ggggtggagt
	60
ttgtgacgtg	gcgcggggcg
tgggaacggg	gcgggtgacg
tagtagtgtg	gcggaagtgt
	120
gatgttgcaa	gtgtggcgga
acacatgtaa	gcgacggatg
tggcaaaagt	gacgtttttg
	180
gtgtgcgccg	gtgtacacag
gaagtgacaa	ttttcgcgcg
gttttaggcg	gatgtttag
	240
taaatttggg	cgtaaccgag
taagatttgg	ccattttcgc
gggaaaactg	aataagagga
	300
agtgaaatct	gaataatttt
gtgttactca	tagcgcgtaa
tatttgtcta	gggccgcggg
	360
gactttgacc	gtttacgtgg
agactcgccc	aggtgttttt
ctcagggtgtt	ttccgcgttc
	420
cgggtcaaag	ttggcggtttt
attattatag	tcagctgacg
tgtagtgtat	ttatacccgg
	480
tgagttcctc	aagaggccac
tcttgagtgc	cagcgagtag
agttttctcc	tccgagccgc
	540
tccgacaccg	ggactgaaaa
tgagacatat	tatctgccac
ggaggtgtta	ttaccgaaga
	600
aatggccgcc	agtcttttgg
accagctgat	cgaagaggta
ctggctgata	atcttccacc
	660
tcctagccat	tttgaaccac
ctacccttca	cgaactgtat
gatttagacg	tgacggcccc
	720
cgaagatccc	aacgaggagg
cggtttcgca	gatttttccc
gactctgtaa	tgttggcggt
	780
gcaggaaggg	attgacttac
tcacttttcc	gccggcgccc
ggttctccgg	agccgcctca
	840

cctttcccgg	cagccccgagc	agccggagca	gagagccttg	ggtccggttt	ctatgccaaa	900
ccttgtagcg	gaggtgatcg	atcttacctg	ccacgaggct	ggctttccac	ccagtgcga	960
cgaggatgaa	gagggtgagg	agtttgtgtt	agattatgtg	gagcaccctg	ggcacggttg	1020
caggtcttgt	cattatcacc	ggaggaatac	gggggaccca	gatattatgt	gttcgctttg	1080
ctatatgagg	acctgtggca	tgtttgtcta	cagtaagtga	aaattatggg	cagtgggtga	1140
tagagtgggtg	ggtttgggtg	ggtaatTTTT	TTTTtaattt	ttacagtttt	gtgggtttaa	1200
gaattttgta	ttgtgatttt	tttaaaaggt	cctgtgtctg	aacctgagcc	tgagccccgag	1260
ccagaaccgg	agcctgcaag	acctaccctg	cgtcctaaaa	tggcgccctg	tatcctgaga	1320
cgcctgacat	cacctgtgtc	tagagaatgc	aatagtagta	cggatagctg	tgactccggt	1380
ccttctaaca	cacctcctga	gatacaccct	gtgggtccctg	tgtgccccat	taaaccagtt	1440
gccgtgagag	ttggtgggct	tcgccaggct	gtggaatgta	tcgaggactt	gcttaacgag	1500
cctgggcaac	ctttggactt	gagctgtaaa	cgcctccagg	cataagggtg	aaacctgtga	1560
ttgcgtgtgt	ggttaacgcc	tttgtttgct	gaatgagttg	atgtaagttt	aataaagggg	1620
gagataatgt	ttactctgca	tgccgtgtta	aatggggcgg	ggcttaaagg	gtatataatg	1680
cgcctggggc	taatcttggg	tacatctgac	ctcatggagg	cttgggagtg	tttgggaagt	1740
ttttctgctg	tgcgtaactt	gctggaacag	agctctaaca	gtacctcttg	gttttggagg	1800
tttctgtggg	gtcatcccca	ggcaaagtta	gtctgcagaa	ttaaggagga	ttacaagtgg	1860
gaatttgaa	agcttttgaa	atcctgtggg	gagctgtttg	attctttgaa	tctgggtcac	1920
caggcgcttt	tccaagagaa	ggcatcaag	actttggatt	tttccacacc	ggggcgcgct	1980
gcggctgctg	ttgctttttt	gagttttata	aaggataaat	ggagcgaaga	aacctatctg	2040
agcggggggg	acctgctgga	ttttctggcc	atgcatctgt	ggagagcggt	tgtgagacac	2100
aagaatcgcc	tgctactgtt	gtcttccgtc	cgcctggcga	taataccgac	ggaggagcag	2160
cagcagcagc	aggaggaagc	caggcgccgg	cggcaggagc	agagcccatg	gaacccgaga	2220
gccggcctgg	accctcggga	atgaatgttg	tacaggtggc	tgaactgtat	ccagaactga	2280
gacgcatttt	gacaattaca	gaggatgggc	aggggctaaa	gggggtaaag	aggagcgagg	2340
gggcttgtga	ggctacagag	gaggctagga	atctagcttt	tagcttaatg	accagacacc	2400
gtcctgagtg	tattactttt	caacagatca	aggataattg	cgctaagtga	cttgatctgc	2460
tggcgagaaa	gtattccata	gagcagctga	ccacttactg	gagatctgga	aggtgctgag	2520
gtacgatgag	acccgcacca	ggtgcagacc	ctgcgagtgt	ggcggtaaac	atattaggaa	2580

ccagcctgtg	atgctggatg	tgaccgagga	gctgaggccc	gatcacttgg	tgctggcctg	2640
cacccgcgct	gagtttggct	ctagcgatga	agatacagat	tgaggtagctg	aaatgtgtgg	2700
gcgtggctta	agggtgggaa	agaatatata	agggtgggggt	cttatgtagt	tttgtatctg	2760
ttttgcagca	gccgccgccc	ccatgagcac	caactcgttt	gatggaagca	ttgtgagctc	2820
atatttgaca	acgcgcacatgc	ccccatgggc	cgggggtgcgt	cagaatgtga	tgggctccag	2880
cattgatggg	cgccccgtcc	tgccccgaaa	ctctactacc	ttgacctacg	agacctgtgc	2940
tggaacgccc	ttggagactg	cagcctccgc	cgccgcttca	gccgctgcag	ccaccgcccc	3000
cgggattgtg	actgactttg	ctttcctgag	cccgtttgca	agcagtgcag	cttcccgttc	3060
atccgccccg	gatgacaagt	tgacggctct	tttggcacia	ttggattctt	tgaccgggga	3120
acttaatgtc	gtttctcagc	agctgttggg	tctgcgccag	caggtttctg	ccctgaaggc	3180
ttcctcccc	cccaatgcgg	tttaaaacat	aaataaaaaa	ccagactctg	tttggatttg	3240
gatcaagcaa	gtgtcttget	gtctttat	aggggtttt	cgcgcgcggt	aggccccggga	3300
ccagcgggtc	cggtcgttga	gggtcctgtg	tattttttcc	aggacgtggg	aaagggtgact	3360
ctggatgttc	agatacatgg	gcataagccc	gtctctgggg	tggaggtagc	accactgcag	3420
agcttcatgc	tgccgggtgg	tggtgtagat	gatccagtcg	tagcaggagc	gctgggctgtg	3480
gtgcctaaaa	atgtctttca	gtagcaagct	gattgccagg	ggcaggccct	tggtgtaagt	3540
gtttacaaag	cggttaagct	gggatgggtg	catacgtggg	gatatgagat	gcatcttgga	3600
ctgtattttt	aggttggcta	tggtcccagc	catatccctc	cggggattca	tggtgtgcag	3660
aaccaccagc	acagtgtatc	cgggtgcactt	gggaaatttg	tcatgtagct	tagaaggaaa	3720
tgcggtggaag	aacttggaga	cggccttgtg	acctccaaga	ttttccatgc	attcgtccat	3780
aatgatggca	atgggcccac	gggcggcggc	ctgggcgaag	atatttctgg	gatcactaac	3840
gtcatagtgt	tggtccagga	tgagatcgtc	ataggccatt	tttaciaaagc	gcgggaggag	3900
gggtgccagac	tgcggtataa	tggttccatc	cggcccaggg	gcgtagttac	cctcacagat	3960
ttgcatttcc	cacgctttga	gttcagatgg	ggggatcatg	tctacctgcg	gggcgatgaa	4020
gaaaacgggt	tccggggtag	gggagatcag	ctgggaagaa	agcaggttcc	tgagcagctg	4080
cgacttaccg	cagccgggtg	gcccgtaaat	cacacctatt	accgggtgca	actggtagtt	4140
aagagagctg	cagctgccgt	catccctgag	caggggggccc	acttcgttaa	gcatgtccct	4200
gactcgcatg	ttttccctga	ccaaatccgc	cagaaggcgc	tcgccgcca	gcgatagcag	4260
ttcttgcaag	gaagcaaagt	ttttcaacgg	tttgagaccg	tccgccgtag	gcatgctttt	4320
gagcgtttga	ccaagcagtt	ccaggcggtc	ccacagctcg	gtcacctgct	ctacggcatc	4380

tcgatccagc	atatctcctc	gtttcgcggg	ttggggcggc	tttcgctgta	cggcagtagt	4440
cgggtgctcgt	ccagacgggc	caggggtcatg	tctttccacg	ggcgcaggggt	cctcgtcagc	4500
gtagtctggg	tcacggtgaa	ggggtgcgct	ccgggctgcg	cgctggccag	ggtgcgcttg	4560
aggctggtcc	tgctggtgct	gaagcgctgc	cggctcttcgc	cctgcgcgctc	ggccaggtag	4620
catttgacca	tggtgtcata	gtccagcccc	tccgcggcgt	ggcccttggc	gcgcagcttg	4680
cccttgagg	aggcgccgca	cgaggggcag	tgcagacttt	tgagggcgta	gagcttgggc	4740
gcgagaaata	ccgattccgg	ggagtaggca	tccgcgccgc	aggccccgca	gacggtctcg	4800
cattccacga	gccaggtag	ctctggccgt	tcggggtcaa	aaaccagggt	tcccccatgc	4860
tttttgatgc	gtttcttacc	tctggtttcc	atgagccggt	gtccacgctc	ggtgacgaaa	4920
aggctgtccg	tgtccccgta	tacagacttg	agaggcctgt	cctcgagcgg	tgttccgcgg	4980
tcctcctcgt	atagaaactc	ggaccactct	gagacaaagg	ctcgcgtcca	ggccagcacg	5040
aaggaggcta	agtgggaggg	gtagcggtcg	ttgtccacta	gggggtccac	tcgctccagg	5100
gtgtgaagac	acatgtcgcc	ctcttcggca	tcaaggaagg	tgattggttt	gtaggtgtag	5160
gccacgtgac	cgggtgttcc	tgaagggggg	ctataaaagg	gggtgggggc	gcgttcgtcc	5220
tcactctctt	ccgcctcgct	gtctgcgagg	gccagctgtt	ggggtgagta	ctccctctga	5280
aaagcgggca	tgactttctgc	gctaagattg	tcagtttcca	aaaacgagga	ggatttgata	5340
ttcacctggc	ccgcggtgat	gcctttgagg	gtggccgcat	ccatctggtc	agaaaagaca	5400
atctttttgt	tgtcaagctt	ggtggcaaac	gacccgtaga	gggcgttgga	cagcaacttg	5460
gcgatggagc	gcagggtttg	gtttttgtcg	cgatcggcgc	gctccttggc	cgcgatgttt	5520
agctgcacgt	attcgcgcg	aacgcaccgc	cattcgggaa	agacggtggt	gcgctcgctc	5580
ggcaccagg	gcacgcgcca	accgcggttg	tgcagggtag	caaggccaac	gctggtggct	5640
acctctccgc	gtaggcgctc	gttgggtccag	cagaggcggc	cgcccttgcg	cgagcagaat	5700
ggcggtaggg	ggtctagctg	cgtctcgctc	ggggggtctg	cgtccacgg	aaagaccccg	5760
ggcagcaggc	gcgcgctgaa	gtagtctatc	ttgcatcctt	gcaagtctag	cgctctgctc	5820
catgcgcggg	cggcaagcgc	gcgctcgat	gggttgagt	ggggacccca	tggcatgggg	5880
tgggtgagcg	cggaggcgta	catgccgcaa	atgtcgtaaa	cgtagagggg	ctctctgagt	5940
attccaagat	atgtagggta	gcattctcca	ccgcggatgc	tggcgcgcac	gtaatcgat	6000
agttcgtgcg	agggagcgag	gaggtcggga	ccgaggttgc	tacgggcggg	ctgctctgct	6060
cggaagacta	tctgcctgaa	gatggcatgt	gagttggatg	atatggttgg	acgctggaag	6120

acgttgaagc	tggcgtctgt	gagacctacc	gcgtcacgca	cgaaggaggc	gtaggagtcg	6180
cgcagcttgt	tgaccagctc	ggcggtgacc	tgacagctcta	gggcgcagta	gtccagggtt	6240
tccttgatga	tgtcatactt	atcctgtccc	ttttttttcc	acagctcgcg	gttgaggaca	6300
aactcttcgc	ggctctttcca	gtactcttgg	atcggaaacc	cgctcggcctc	cgaacggtaa	6360
gagcctagca	tgtagaactg	gttgacggcc	tggtaggcgc	agcatccctt	ttctacgggt	6420
agcgcgtatg	cctgcgcggc	cttccggagc	gaggtgtggg	tgagcgcaaa	gggtgccctg	6480
accatgactt	tgaggtagctg	gtatttgaag	tcagtgtcgt	cgcacccgcc	ctgctcccag	6540
agcaaaaagt	ccgtgcgctt	tttggaaacg	ggatttggca	gggcgaagg	gacatcggtg	6600
aagagtatct	ttcccgcgcg	aggcataaag	ttgcgtgtga	tgcggaaggg	tcccggcacc	6660
tcggaacggg	tgttaattac	ctgggcggcg	agcacgatct	cgtcaaagcc	gttgatggtg	6720
tggcccacaa	tgtaaagttc	caagaagcgc	gggatgccct	tgatggaagg	caatttttta	6780
agttcctcgt	aggtgagctc	ttcaggggag	ctgagcccgt	gctctgaaag	ggcccagttc	6840
gcaagatgag	ggttggaagc	gacgaatgag	ctccacaggt	cacgggcat	tagcatttgc	6900
aggtggtcgc	gaaaggctct	aaactggcga	cctatggcca	ttttttctgg	ggatgatgcag	6960
tagaaggtaa	gcgggtcttg	ttcccagcgg	tcccatccaa	ggttcgcggc	taggtctcgc	7020
gcggcagtc	ctagaggctc	atctccgccc	aacttcatga	ccagcatgaa	gggcacgagc	7080
tgcttcccaa	aggccccc	ccaagtatag	gtctctacat	cgtaggtgac	aaagagacgc	7140
tcggtgcgag	gatgcgagcc	gatcgggaag	aactggatct	cccgccacca	attggaggag	7200
tggctattga	tgtggtgaaa	gtagaagtcc	ctgcgacggg	ccgaacactc	gtgctggctt	7260
ttgtaaaaac	gtgcgcagta	ctggcagcgg	tgacagggct	gtacatcctg	cacgaggttg	7320
acctgacgac	cgcgcacaag	gaagcagagt	gggaatttga	gcccctcgcc	tggcggggtt	7380
ggctgggtgg	cttctacttc	ggctgcttgt	ccttgaccgt	ctggctgctc	gaggggagtt	7440
acggtggatc	ggaccaccac	gccgcgcgag	cccaaagtcc	agatgtccgc	gcgcggcggg	7500
cggagcttga	tgacaacatc	gcgcagatgg	gagctgtcca	tggctctggg	ctcccgcggc	7560
gtcagggtcag	gcgggagctc	ctgcagggtt	acctcgcata	gacgggtcag	ggcgcgggct	7620
agatccagggt	gataccta	ttccaggggc	tggttggtgg	cggcgtcgat	ggcttgcaag	7680
aggccgcac	cccgcggcgc	gactacggta	ccgcgcggcg	ggcgggtggg	cgcgggggtg	7740
tccttgatg	atgcatctaa	aagcggtgac	gcgggcgagc	ccccggaggt	agggggggct	7800
ccggacccgc	cgggagaggg	ggcaggggca	cgctcggcgcc	gcgcgcgggc	aggagctggg	7860
gctgcgcgcg	taggttgctg	gcgaacgcga	cgacgcggcg	gttgatctcc	tgaatctggc	7920

gcctctgcgt gaagacgacg ggcccgggtga gcttgagcct gaaagagagt tgcacagaat	7980
caatttcgggt gtcgttgacg gcggcctggc gcaaaatctc ctgcacgtct cctgagttgt	8040
cttgataggc gatctcggcc atgaactgct cgatctcttc ctcttgaga tctccgcgtc	8100
cggctcgctc cacggtggcg gcgaggtcgt tggaaatgcg ggccatgagc tgcgagaagg	8160
cgttgaggcc tccctcgttc cagacgcggc tgtagaccac gcccccttcg gcatcgcggg	8220
cgcgcatgac cacctgcgcg agattgagct ccacgtgccg ggcgaagacg gcgtagtctc	8280
gcaggcgctg aaagaggtag ttgagggtag tggcggtagt ttctgccacg aagaagtaca	8340
taaccacgcg tcgcaacgtg gattcgttga tatcccccaa ggctcaagg cgctccatgg	8400
cctcgtagaa gtccacggcg aagttgaaaa actgggagtt gcgcgccgac acggttaact	8460
cctcctccag aagacggatg agctcggcga cagtgtcgcg cacctcgcgc tcaaaggcta	8520
caggggcctc ttcttcttct tcaatctcct ctccataag ggctccccct tcttcttctt	8580
ctggcggcgg tgggggaggg gggacacggc ggcgacgacg gcgcaccggg aggcggtcga	8640
caaagcgctc gatcatctcc ccgcggcgac ggcgcatggt ctcggtgacg gcgcggccgt	8700
tctcgcgggg gcgcagttgg aagacgccgc ccgtcatgtc ccggttatgg gttggcgggg	8760
ggctgccatg cggcagggat acggcgctaa cgatgcatct caacaattgt tgtgtaggta	8820
ctccgccgcc gagggacctg agcgagtccg catcgaccgg atcggaaaac ctctcgagaa	8880
aggcgtctaa ccagtcacag tcgcaaggta ggctgagcac cgtggcgggc ggcagcgggc	8940
ggcggtcggg gttgtttctg gcggaggtgc tgctgatgat gtaattaaag taggcggtct	9000
tgagacggcg gatggtcgac agaagcacca tgtccttggg tccggcctgc tgaatgcgca	9060
ggcggtcggc catgccccag gcttcgtttt gacatcggcg caggctcttg tagtagtctt	9120
gcatgagcct ttctaccggc acttcttctt ctcttctc ttgtcctgca tctcttgcat	9180
ctatcgctgc ggcggcggcg gagtttgcc gtaggtggcg ccctcttctt cccatgcgtg	9240
tgaccccgaa gccctcctc ggctgaagca gggctaggtc ggcgacaacg cgctcggcta	9300
atatggcctg ctgcacctgc gtgagggtag actggaagtc atccatgtcc acaaagcggc	9360
ggtatgcgcc cgtgttgatg gtgtaagtgc agttggccat aacggaccag ttaacggctc	9420
ggtgaccgg ctgcgagagc tcggtgtacc tgagacgcga gtaagccctc gagtcaaata	9480
cgtagtcgtt gcaagtccgc accagggtact ggtatccac caaaaagtgc ggcggcggct	9540
ggcggtagag gggccagcgt aggggtggcg gggctccggg ggcgagatct tccaacataa	9600
ggcgatgata tccgtagatg tacctggaca tccaggatg gccggcggcg gtggtggagg	9660

cgcgcgga	gtcgcgga	cggttccaga	tgttgcgag	cgga	tgctccatgg	9720
tgggacgct	ctggccggtc	aggcgcgcg	aatcggtgac	gctctagacc	gtgaaaagg	9780
agagcctgta	agcgggcact	cttcctggt	ctggtgata	aattcgcaag	ggtatcatgg	9840
cggacgaccg	gggttcgagc	cccgtatccg	gccgtccgcc	gtgatccatg	cggttaccgc	9900
ccgctgtcg	aaccaggtg	tgcgacgtca	gacaacggg	gagtgtcct	tttggcttc	9960
ttccaggcg	ggcggtgct	gcgctagctt	tttggccac	tggcgcgcg	cagcgtaagc	10020
ggttaggctg	gaaagcgaaa	gcattaagt	gctcgctccc	tgtagccgga	gggttatttt	10080
ccaagggtt	agtcgcgga	cccccggttc	gagtctcgga	ccggccggac	tgcggcgaac	10140
gggggtttgc	ctccccgtca	tgcaagacct	cgcttgcaaa	ttcctccgga	aacagggacg	10200
agcccccttt	ttgcttttcc	cagatgcac	cggtgctg	gcagatgcgc	ccccctctc	10260
agcagcggca	agagcaagag	cagcggcaga	catgcagggc	accctccct	cctcctaccg	10320
cgtcaggagg	ggcgacatcc	gcggttgacg	cggcagcaga	tggtgattac	gaacccccgc	10380
ggcgccgggc	ccggcactac	ctggacttgg	aggagggcga	gggcctggcg	cggctaggag	10440
cgccctctcc	tgagcggtac	ccaagggtgc	agctgaagcg	tgatacgct	gaggcgtagc	10500
tgcgcggca	gaacctgttt	cgcgaccgcg	aggagagga	gcccaggag	atgcgggac	10560
gaaagttcca	cgcagggcg	gagctgcggc	atggcctgaa	tcgcgagcgg	ttgctgcgcg	10620
aggaggactt	tgagccccgac	gcgcgaaccg	ggattagtcc	cgcgcgcgca	cacgtggcgg	10680
ccgccgacct	ggtaaccgca	tacgagcaga	cggtgaacca	ggagattaac	tttcaaaaaa	10740
gctttaacaa	ccacgtgcgt	acgcttggtg	cgcgcgagga	ggtggctata	ggactgatgc	10800
atctgtggga	ctttgtaagc	gcgctggagc	aaaacccaaa	tagcaagccg	ctcatggcg	10860
agctgttcct	tatagtgcag	cacagcagg	acaacgaggc	attcagggat	gcgctgctaa	10920
acatagtaga	gcccgagggc	cgctggctgc	tcgatttgat	aaacatcctg	cagagcatag	10980
tggtgcagga	gcgcagcttg	agcctggctg	acaagggtggc	cgccatcaac	tattccatgc	11040
ttagcctggg	caagttttac	gcccgcaga	tataccatac	cccttacgtt	cccatagaca	11100
aggaggtaaa	gatcgagggg	ttctacatgc	gcatggcgct	gaagggtgctt	accttgagcg	11160
acgacctggg	cgtttatcgc	aacgagcgca	tccacaaggc	cgtgagcgtg	agccggcggc	11220
gcgagctcag	cgaccgcgag	ctgatgcaca	gcctgcaaag	ggcctggct	ggcacgggca	11280
gcggcgatag	agaggccgag	tcctactttg	acgcggcg	tgacctgcgc	tgggccccaa	11340
gccgacgcgc	cctggaggca	gctggggccg	gacctgggct	ggcggtggca	ccgcgcgcg	11400
ctggcaacgt	cggcggcgtg	gaggaatatg	acgaggacga	tgagtacgag	ccagaggacg	11460

gcgagtacta agcggatgatg tttctgatca gatgatgcaa gacgcaacgg acccggcggg 11520
 gcggggcggcg ctgcagagcc agccgtccgg ccttaactcc acggacgact ggcgccagggt 11580
 catggaccgc atcatgtcgc tgactgcgcg caatcctgac gcgttccggc agcagccgca 11640
 ggccaaccgg ctctccgcaa ttctggaagc ggtgggtcccg gcgcgcgcaa accccacgca 11700
 cgagaagggtg ctggcgatcg taaacgcgct ggccgaaaac agggccatcc ggccccacga 11760
 ggccggcctg gtctacgacg cgctgcttca gcgcgtggct cgttacaaca gcggcaacgt 11820
 gcagaccaac ctggaccggc tgggtggggga tgtgcgcgag gccgtggcg agcgtgagcg 11880
 cgcgcagcag cagggcaacc tgggtccat ggttgacta aacgccttcc tgagtacaca 11940
 gcccgccaac gtgccgcggg gacaggagga ctacaccaac tttgtgagcg cactgcgggt 12000
 aatggtgact gagacaccgc aaagtgaggt gtaccagtct gggccagact attttttcca 12060
 gaccagtaga caaggcctgc agaccgtaaa cctgagccag gctttcaaaa acttgcaggg 12120
 gctgtggggg gtgcgggctc ccacaggcga ccgcgcgacc gtgtctagct tgctgacgcc 12180
 caactcgcgc ctgttgctgc tgctaatagc gcccttcacg gacagtggca gcgtgtcccg 12240
 ggacacatac ctaggtcact tgctgacact gtaccgcgag gccatagggtc aggcgcaggt 12300
 ggacgagcat actttccagg agattacaag tgtcagccgc gcgctggggc aggaggacac 12360
 gggcagcctg gaggcaacc taaactacct gctgaccaac cggcggcaga agatcccctc 12420
 gttgcacagt ttaaacagcg aggaggagcg cattttgcgc tacgtgcagc agagcgtgag 12480
 ccttaacctg atgcgcgacg gggtaacgcc cagcgtggcg ctggacatga ccgcgcgcaa 12540
 catggaaccg ggcagtgatg cctcaaaccg gccgtttatc aaccgcctaa tggactactt 12600
 gcatcgcgcg gccgcggtga accccgagta tttaccaat gccatcttga accgcactg 12660
 gctaccgcc cctgggtttct acaccggggg attcgaggtg cccgagggtg acgatggatt 12720
 cctctgggac gacatagacg acagcgtggt tttcccgcaa ccgcagaccc tgctagagtt 12780
 gcaacagcgc gagcaggcag aggcggcgct gcgaaaggaa agcttccgca ggccaagcag 12840
 cttgtccgat ctaggcgctg cggccccgcg gtcagatgct agtagcccat ttccaagctt 12900
 gatagggtct cttaccagca ctgcaccac ccgccccgcg ctgctggggc aggaggagta 12960
 cctaaacaac tcgctgctgc agccgcagcg cgaaaaaac ctgcctccgg catttcccaa 13020
 caacgggata gagagcctag tggacaagat gagtagatgg aagacgtacg cgcaggagca 13080
 cagggacgtg ccaggcccg gcgcgcccac ccgtcgtcaa aggcacgacc gtcagcgggg 13140
 tctggtgtgg gaggacgatg actcggcaga cgacagcagc gtcctggatt tgggaggag 13200

tggcaacccg tttgcgccacc ttcgccccag gctggggaga atgtttttaa aaaaaaaaaag 13260
 catgatgcaa aataaaaaaac tcaccaaggc catggcaccg agcgttggtt ttcttgtatt 13320
 ccccttagta tgcggcgcg gcgatgtat gaggaaggtc ctctccctc ctacgagagt 13380
 gtggtgagcg cggcgccagt ggcgggcgcg ctgggttctc ccttcgatgc tcccctggac 13440
 ccgccgtttg tgccctccgcg gtacctgcgg cctaccgggg ggagaaacag catccgttac 13500
 tctgagttgg caccctatt cgacaccacc cgtgtgtacc tggaggacaa caagtcaacg 13560
 gatgtggcat ccctgaacta ccagaacgac cacagcaact ttctgaccac ggtcattcaa 13620
 aacaatgact acagcccggg ggaggcaagc acacagacca tcaatcttga cgaccggtcg 13680
 cactggggcg gcgacctgaa aaccatcctg cataccaaca tgccaaatgt gaacgagttc 13740
 atgtttacca ataagtttaa ggcgcggggtg atggtgtcgc gcttgccctac taaggacaat 13800
 caggtggagc tgaaatacga gtgggtggag ttcacgctgc ccgagggcaa ctactccgag 13860
 accatgacca tagacctat gaacaacgcg atcgtggagc actacttgaa agtgggcaga 13920
 cagaacgggg ttctggaaag cgacatcggg gtaaagtgtg acaccgcaa cttcagactg 13980
 gggtttgacc ccgtcactgg tcttgtcatg cctgggggtat atacaaacga agccttccat 14040
 ccagacatca ttttgctgcc aggatgcggg gtggacttca cccacagccg cctgagcaac 14100
 ttgttgggca tccgcaagcg gcaacccttc caggagggtt ttaggatcac ctacgatgat 14160
 ctggagggtg gtaacattcc cgcactgttg gatgtggacg cctaccaggc gagcttgaaa 14220
 gatgacaccg aacagggcg gggtggcgca ggcggcagca acagcagtgg cagcggcgcg 14280
 gaagagaact ccaacgcggc agccgcggca atgcagccg tggaggacat gaacgatcat 14340
 gccattcgcg gcgacacctt tgccacacgg gctgaggaga agcgcgctga ggccgaagca 14400
 gcggccgaag ctgccgcccc cgctgcgcaa cccgaggtcg agaagcctca gaagaaaccg 14460
 gtgatcaaac ccctgacaga ggacagcaag aaacgcagtt acaacctaag aagcaatgac 14520
 agcaccttca ccagtagcg cagctgggtac cttgcataca actacggcga ccctcagacc 14580
 ggaatccgct catggaccct gctttgcact cctgacgtaa cctgcggctc ggagcaggtc 14640
 tactggtcgt tgccagacat gatgcaagac cccgtgacct tccgctccac gcgccagatc 14700
 agcaactttc cgggtggtgg cgccgagctg ttgcccgtgc actccaagag cttctacaac 14760
 gaccaggccg tctactccca actcatccgc cagtttacct ctctgacca cgtgttcaat 14820
 cgctttcccg agaaccagat tttggcgcg ccgccagccc ccaccatcac caccgtcagt 14880
 gaaaacgttc ctgctctcac agatcacggg acgctaccgc tgcgcaacag catcggagga 14940
 gtccagcgag tgaccattac tgacgccaga cgccgcacct gcccctacgt ttacaaggcc 15000

ctgggcatag	tctcgccg	cgctctatcg	agccgcactt	tttgagcaag	catgtccatc	15060
cttatatcgc	ccagcaataa	cacaggctgg	ggcctgcgct	tcccaagcaa	gatgtttggc	15120
ggggccaaga	agcgctccga	ccaacaccca	gtgcgcgctg	gcgggcacta	ccgcgcgccc	15180
tggggcgcg	acaaacg	cgccactggg	cgcaccaccg	togatgacgc	catcgacgcg	15240
gtggtggagg	aggcgcgcaa	ctacacgccc	acgccgccac	cagtgtccac	agtggacgcg	15300
gccattcaga	ccgtggtg	cggagcccg	cgctatgcta	aaatgaagag	acggcggagg	15360
cgcgtagcac	gtcgccaccg	ccgccgaccc	ggcactgccc	cccaacgcgc	ggcggcggcc	15420
ctgcttaacc	gcgcacgtcg	caccggccga	cgggcggcca	tgcgggcccgc	tcgaaggctg	15480
gccgcgggta	ttgtcactgt	gccccccagg	tccaggcgac	gagcggcccgc	cgcagcagcc	15540
gcggccatta	gtgctatgac	tcagggtcgc	aggggcaacg	tgtattgggt	gcgcgactcg	15600
gttagcggcc	tgcgcgtgcc	cgtgcgccac	cgccccccgc	gcaactagat	tgcaagaaaa	15660
aactacttag	actcgtactg	ttgtatgtat	ccagcggcgg	cggcgcgcaa	cgaagctatg	15720
tccaagcgca	aaatcaaaga	agagatgctc	caggtcatcg	cgccggagat	ctatggcccc	15780
ccgaagaagg	aagagcagga	ttacaagccc	cgaagctaa	agcgggtcaa	aaagaaaaag	15840
aaagatgatg	atgatgaact	tgacgacgag	gtggaactgc	tgcacgctac	cgcgcccagg	15900
cgcgggttac	agtggaaagg	tcgacgcgta	aaacgtgttt	tgcgaccggg	caccaccgta	15960
gtctttacgc	ccggtgagcg	ctccaccgcg	acctacaagc	gcgtgtatga	tgagggtgtac	16020
ggcgacgagg	acctgcttga	gcaggccaac	gagcgcctcg	gggagtgttc	ctacggaaaag	16080
cggcataagg	acatgctggc	gttgccgctg	gacgagggca	acccaacacc	tagcctaaag	16140
cccgtaacac	tgcagcaggt	gctgcccgcg	cttgccaccgt	ccgaagaaaa	gcgcggcccta	16200
aagcgcgagt	ctggtgactt	ggcaccacc	gtgcagctga	tggtacccaa	gcgccagcga	16260
ctggaagatg	tcttgaaaaa	aatgaccgtg	gaacctgggc	tggagcccga	ggtccgcgtg	16320
cggccaatca	agcaggtggc	gccgggactg	ggcgtgcaga	ccgtggacgt	tcagataccc	16380
actaccagta	gcaccagtat	tgccaccgcc	acagagggca	tggagacaca	aacgtccccg	16440
gttgccctcag	cggtagggga	tgccgcgggtg	caggcggctcg	ctgcggcccgc	gtccaagacc	16500
tctacggagg	tgcaaacgga	cccgtggatg	tttcgcgttt	cagccccccg	gcgcccgcgc	16560
ggttcgagga	agtacggcgc	cgcacgcgcg	ctactgcccg	aatatgccct	acatccttcc	16620
attgcgccta	cccccggtta	tcgtggctac	acctaccgcc	ccagaagacg	agcaactacc	16680
cgacgccgaa	ccaccactgg	aaccgcgcgc	cgcgcgtcgcc	gtcgccagcc	cgtgctggcc	16740

cogattttccg	tgcgcagggg	ggctcgcgaa	ggaggcagga	ccctgggtgct	gccaacagcg	16800
cgctaccacc	ccagcatcgt	ttaaaagccg	gtctttgtgg	ttcttgcaga	tatggccctc	16860
acctgcgcgc	tccgtttccc	ggtgccggga	ttccgaggaa	gaatgcaccg	taggaggggc	16920
atggccggcc	acggcctgac	gggcggcatg	cgtcgtgcgc	accaccggcg	gcggcgcgcg	16980
tgcaccgtc	gcatgcgcgg	cggtatcctg	cccctcctta	ttccactgat	cgccgcggcg	17040
attggcgccg	tgcccggaat	tgcattccgtg	gccttgcagg	cgcagagaca	ctgattaaaa	17100
acaagttgca	tgtggaaaaa	tcaaaataaa	aagtctggac	tctcacgctc	gcttggtcct	17160
gtaactat	ttgtagaatgg	aagacatcaa	ctttgcgtct	ctggccccgc	gacacggctc	17220
gcgcccgttc	atgggaaact	ggcaagatat	cggcaccagc	aatatgagcg	gtggcgccctt	17280
cagctggggc	tgcgtgtgga	gcggcattaa	aaatttcggg	tccaccgtta	agaactatgg	17340
cagcaaggcc	tggaacagca	gcacaggcca	gatgctgagg	gataagttga	aagagcaaaa	17400
tttccaacaa	aagggtgtag	atggcctggc	ctctggcatt	agcgggggtg	tggacctggc	17460
caaccaggca	gtgcaaaata	agattaacag	taagcttgat	ccccgcctc	ccgtagagga	17520
gcctccaccg	gccgtggaga	cagtgtctcc	agagggggcg	ggcgaaaagc	gtccgcgccc	17580
cgacagggaa	gaaactctgg	tgacgcaaat	agacgagcct	ccctcgtacg	aggaggcact	17640
aaagcaaggc	ctgcccacca	cccgctccat	cgcgcccattg	gctaccggag	tgctggggcca	17700
gcacacaccc	gtaacgctgg	acctgcctcc	ccccgccgac	accagcaga	aacctgtgct	17760
gccaggcccc	accgccgttg	ttgtaacccg	tcctagccgc	gcgtccctgc	gccgcgcgcg	17820
cagcgggtcc	cgatcgttgc	ggcccgtagc	cagtggcaac	tggcaaagca	cactgaacag	17880
catcgtgggt	ctgggggtgc	aatccctgaa	gcgccgacga	tgcttctgaa	tagctaactg	17940
gtcgtatgtg	tgtcatgtat	gcgtccatgt	cgcgcgcaga	ggagctgctg	agccgcgcgc	18000
cgcgcgcttt	ccaagatggc	taccccttcg	atgatgccgc	agtggcttta	catgcacatc	18060
tccgggccagg	acgcctcgga	gtacctgagc	cccgggctgg	tgcagtttgc	ccgcgccacc	18120
gagacgtact	tcagcctgaa	taacaagttt	agaaacccca	cgggtggcgcc	tacgcacgac	18180
gtgaccacag	accggtccca	gcgtttgacg	ctgcggttca	tcctgtgga	ccgtgaggat	18240
actgcgtact	cgtacaaggc	gcggttcacc	ctagctgtgg	gtgataaccg	tgtgctggac	18300
atggcttcca	cgtactttga	catccgcggc	gtgctggaca	ggggccctac	ttttaagccc	18360
tactctggca	ctgcctacaa	cgccttggtg	cccaagggtg	ccccaaatcc	ttgcgaatgg	18420
gatgaagctg	ctactgctct	tgaataaaac	ctagaagaag	aggacgatga	caacgaagac	18480
gaagtagacg	agcaagctga	gcagcaaaaa	actcacgtat	ttgggcaggc	gccttattct	18540

ggtataaata	ttacaaagga	gggtattcaa	ataggtgtcg	aaggtcaaac	acctaaatat	18600
gccgataaaa	catttcaacc	tgaacctcaa	ataggagaat	ctcagtggta	cgaaactgaa	18660
attaatcatg	cagctgggag	agtccttaaa	aagactaccc	caatgaaacc	atgttacggg	18720
tcatatgcaa	aaccacaaaa	tgaaaatgga	gggcaaggca	ttcttgtaaa	gcaacaaaat	18780
ggaaagctag	aaagtcaagt	ggaaatgcaa	tttttctcaa	ctactgaggc	gaccgcaggc	18840
aatgggtgata	acttgactcc	taaagtggta	ttgtacagtg	aagatgtaga	tatagaaacc	18900
ccagacactc	atatttctta	catgcccact	attaaggaag	gtaactcacg	agaactaatg	18960
ggccaacaat	ctatgcccaa	caggccta	tacattgctt	ttagggacaa	ttttattggg	19020
ctaattgtatt	acaacagcac	gggtaatatg	gggtgttctg	cgggccaagc	atcgagttg	19080
aatgctgttg	tagatttgca	agacagaaac	acagagcttt	cataccagct	tttgcttgat	19140
tccattgggtg	atagaaccag	gtacttttct	atgtggaatc	aggctgttga	cagctatgat	19200
ccagatgtta	gaattattga	aaatcatgga	actgaagatg	aacttccaaa	ttactgcttt	19260
ccactgggag	gtgtgattaa	tacagagact	cttaccaagg	taaaacctaa	aacaggtcag	19320
gaaaatggat	gggaaaaaga	tgctacagaa	ttttcagata	aaaatgaaat	aagagttgga	19380
aataattttg	ccatggaaat	caatctaaat	gccaacctgt	ggagaaattt	cctgtactcc	19440
aacatagcgc	tgtatttgcc	cgacaagcta	aagtacagtc	cttccaacgt	aaaaatttct	19500
gataacccaa	acacctacga	ctacatgaac	aagcgagtgg	tggctcccgg	gttagtggac	19560
tgctacatta	accttgagag	acgctgggtc	cttgactata	tggacaacgt	caacccattt	19620
aaccaccacc	gcaatgctgg	cctgcgctac	cgctcaatgt	tgctgggcaa	tggtcgctat	19680
gtgcccttcc	acatccaggt	gcctcagaag	ttctttgcca	ttaaaaacct	ccttctcctg	19740
ccgggctcat	acacctacga	gtggaacttc	aggaaggatg	ttaacatggg	tctgcagagc	19800
tccctaggaa	atgacctaa	ggttgacgga	gccagcatta	agtttgatag	catttgcctt	19860
tacgccacct	tcttccccat	ggccccacaac	accgcctcca	cgcttgaggc	catgcttaga	19920
aacgacacca	acgaccagtc	ctttaacgac	tatctctccg	ccgccaacat	gctctacct	19980
atacccgcca	acgctaccaa	cgtgcccata	tccatcccct	cccgcaactg	ggcggttttc	20040
cgcggtctgg	ccttcacgcg	ccttaagact	aaggaaaccc	catcactggg	ctcgggctac	20100
gacccttatt	acacctactc	tggtctctata	ccctacctag	atggaacctt	ttacctcaac	20160
cacaccttta	agaaggtggc	cattaccttt	gactcttctg	tcagctggcc	tggcaatgac	20220
cgcttgctta	cccccaacga	gtttgaaatt	aagcgctcag	ttgacgggga	gggttacaac	20280

gttgccagtg gtaacatgac caaagactgg ttcttggtac aaatgctagc taactacaac 20340
 attggctacc agggcttcta tatcccagag agctacaagg accgcatgta ctctttcttt 20400
 agaaacttcc agcccatgag ccgtcaggtg gtggatgata ctaaatacaa ggactaccaa 20460
 caggtgggca tcctacacca acacaacaac tctggatttg ttggctacct tgccccacc 20520
 atgcgcgaag gacaggccta ccctgctaac ttcccctatc cgcttatagg caagaccgca 20580
 gttgacagca ttaccagaa aaagtttctt tgcgatcgca ccctttggcg catccccattc 20640
 tccagtaact ttatgtccat gggcgcactc acagacctgg gccaaaacct tctctacgcc 20700
 aactccgccc acgcgctaga catgactttt gaggtggatc ccatggacga gccaccctt 20760
 ctttatgttt tgtttgaagt ctttgacgtg gtccgtgtgc accggccgca ccgcggcgtc 20820
 atcgaaaccg tgtacctgcg cagcccttc tgggccggca acgccacaac ataaagaagc 20880
 aagcaacatc aacaacagct gccgccatgg gctccagtga gcaggaactg aaagccattg 20940
 tcaaagatct tggttgtggg ccatatTTTT tgggcaccta tgacaagcgc tttccaggct 21000
 ttgtttctcc acacaagctc gcctgcgcca tagtcaatac ggccggtcgc gagactgggg 21060
 gcgtacactg gatggccttt gcctggaacc cgcactcaaa aacatgctac ctctttgagc 21120
 cctttggctt ttctgaccag cgactcaagc aggtttacca gtttgagtac gagtcactcc 21180
 tgcgccgtag cgccattgct tcttcccccg accgctgtat aacgctggaa aagtccaccc 21240
 aaagcgtaca ggggcccac tcggccgcct gtggactatt ctgctgcatg tttctccacg 21300
 cctttgccaa ctggccccc aaactccatgg atcacaaccc caccatgaac cttattaccg 21360
 gggtagccaa ctccatgctc aacagtcccc aggtacagcc caccctgcgt cgcaaccagg 21420
 aacagctcta cagcttcttg gagcgccact cgcctactt ccgcagccac agtgcgcaga 21480
 ttaggagcgc cacttctttt tgtcacttga aaaacatgta aaaataatgt actagagaca 21540
 ctttcaataa aggcaaatgc ttttatTTT acactctcgg gtgattattt acccccaccc 21600
 ttgccgtctg cgccgtttta aaatcaaagg ggttctgccc cgcacgcta tgcgccactg 21660
 gcagggacac gttgcgatac tgggtgttag tgctccactt aaactcaggc acaaccatcc 21720
 gcggcagctc ggtgaagttt tcaactccaca ggctgcgcac catcaccaac gcgttttagca 21780
 ggtcgggcgc cgatatcttg aagtcgcagt tggggcctcc gccctgcgcg cgcgagttgc 21840
 gatacacagg gttgcagcac tggaacacta tcagcgccgg gtggtgcacg ctggccagca 21900
 cgctcttgtc ggagatcaga tccgcgtcca ggtcctccgc gttgctcagg gcgaacggag 21960
 tcaacttttg tagctgcctt cccaaaaagg gcgcgtgccc aggctttgag ttgcactcgc 22020
 accgtagtgg catcaaaagg tgaccgtgcc cggctctgggc gttaggatac agcgccctgca 22080

taaaagcctt gatctgctta aaagccacct gagcctttgc gccttcagag aagaacatgc	22140
cgcaagactt gccggaaaac tgattggccg gacaggccgc gtcgtgcacg cagcaccttg	22200
cgtcggtggt ggagatctgc accacatttc ggccccaccg gttcttcacg atcttggcct	22260
tgctagactg ctccctcagc gcgcgctgcc cgttttcgct cgtcacatcc atttcaatca	22320
cgtgctcctt atttatcata atgcttccgt gtagacactt aagctcgctt tcgatctcag	22380
cgcagcgggtg cagccacaac gcgcagcccg tgggctcgtg atgcttgtag gtcacctctg	22440
caaacgactg caggtacgcc tgcaggaatc gcccacatcat cgtcacaaaag gtcttgtttgc	22500
tgggtgaaggc cagctgcaac ccgcgggtgct cctcgttcag ccaggctcttg catacggccg	22560
ccagagcttc cacttggtca ggcagtagtt tgaagtgcgc ctttagatcg ttatccacgt	22620
ggtacttgtc catcagcgcg cgcgagcctt ccatgccctt ctcccacgca gacacgatcg	22680
gcacactcag cgggttcacg accgtaattt cactttccgc ttcgctgggc tcttcctctt	22740
cctcttgctt ccgcatacca cgcgccactg ggtcgtcttc attcagccgc cgcactgtgc	22800
gcttacctcc tttgccatgc ttgattagca ccggtgggtt gctgaaaccc accatttgta	22860
gcgccacatc ttctctttct tcctcgctgt ccacgattac ctctggtgat ggcgggcgct	22920
cgggcttggg agaagggcgc ttctttttct tcttgggcgc aatggccaaa tccgccgccg	22980
aggctgatgg ccgcgggctg ggtgtgcgcg gcaccagcgc gtcttgtgat gagtcttcct	23040
cgtcctcgga ctcgatacgc cgcctcatcc gcttttttgg gggcgcccgg ggaggcggcg	23100
gcgacgggga cggggacgac acgtcctcca tggttggggg acgtcgcgcc gcaccgcgct	23160
cgcgctcggg ggtggtttcg cgctgctcct cttcccact ggccatttcc ttctcctata	23220
ggcagaaaaa gatcatggag tcagtcgaga agaaggacag cctaaccgcc ccctctgagt	23280
tcgccaccac cgcctccacc gatgccgcca acgcgcctac caccttcccc gtcgaggcac	23340
ccccgcttga ggaggaggaa gtgattatcg agcaggaccc aggttttgta agcgaagacg	23400
acgaggaccg ctcagtacca acagaggata aaaagcaaga ccaggacaac gcagaggcaa	23460
acgaggaaca agtcgggcgg ggggacgaaa ggcattggcg ctacctagat gtgggagacg	23520
acgtgctgtt gaagcatctg cagcgccagt gcgccattat ctgcgacgcg ttgcaagagc	23580
gcagcgatgt gcccctcgcc atagcggatg tcagccttgc ctacgaacgc cacctattct	23640
caccgcgctt acccccaaaa cgccaagaaa acggcacatg cgagcccaac ccgcgcctca	23700
acttctaccc cgtatttgcc gtgccagagg tgcttgccac ctatcacatc tttttccaaa	23760
actgcaagat acccctatcc tgccgtgccca accgcagccg agcggacaag cagctggcct	23820

tgccggcaggg	cgctgtcata	cctgatatcg	cctcgctcaa	cgaagtgcc	aaaatccttg	23880
agggctcttg	acgcgacgag	aagcgcgcgg	caaacgctct	gcaacaggaa	aacagcgaaa	23940
atgaaagtca	ctctggagtg	ttggtggaac	tcgaggggtga	caacgcgcgc	ctagccgtac	24000
taaaacgcag	catcgagggtc	accactttg	cctaccgcgc	acttaaccta	cccccaagg	24060
tcattgagcac	agtcattgagt	gagctgatcg	tgccgcgtgc	gcagcccttg	gagaggggatg	24120
caaatttgca	agaacaaaca	gaggagggcc	taccgcgagt	tggcgacgag	cagctagcgc	24180
gctggcttca	aacgcgcgag	cctgccgact	tggaggagcg	acgcaaaacta	atgatggccg	24240
cagtgtctgt	taccgtggag	cttgagtgc	tcgagcgggt	ctttgctgac	ccggagatgc	24300
agcgcaagct	agaggaaaca	ttgcactaca	cctttcgaca	gggctacgta	cgccaggcct	24360
gcaagatctc	caacgtggag	ctctgcaacc	tggctctcta	ccttgggaatt	ttgcacgaaa	24420
accgccttgg	gcaaaacgtg	cttcattcca	cgctcaaggg	cgaggcgcgc	cgcgactacg	24480
tccgcgactg	cgtttactta	tttctatgct	acacctggca	gacggccatg	ggcgtttggc	24540
agcagtgtct	ggaggagtg	aacctcaagg	agctgcagaa	actgctaaag	caaaacttga	24600
aggacctatg	gacggccttc	aacgagcgct	ccgtggccgc	gcacctggcg	gacatcattt	24660
tccccgaacg	cctgcttaaa	accctgcaac	agggctctgc	agacttcacc	agtcaaagca	24720
tgttgacagaa	ctttaggaac	tttatcctag	agcgctcagg	aatcttgccc	gccacctgct	24780
gtgcacttcc	tagcgacttt	gtgcccatta	agtaccgcga	atgccctccg	ccgctttggg	24840
gccactgcta	ccttctgcag	ctagccaact	accttgcccta	ccactctgac	ataatggaag	24900
acgtgagcgg	tgacgggtcta	ctggagtgtc	actgtcgctg	caacctatgc	accccgaccc	24960
gctccctggg	ttgcaattcg	cagctgctta	acgaaagtca	aattatcggt	acctttgagc	25020
tgcaggggtcc	ctcgccctgac	gaaaagtccg	cggctccggg	gttgaaaactc	actccggggc	25080
tgtggacgtc	ggcttacctt	cgcaaatttg	tacctgagga	ctaccacgcc	cacgagatta	25140
ggttctacga	agaccaatcc	cgcccgccaa	atgcggagct	taccgcctgc	gtcattaccc	25200
agggccacat	tcttggccaa	ttgcaagcca	tcaacaaagc	ccgccaagag	tttctgctac	25260
gaaagggacg	gggggtttac	ttggaccccc	agtccggcga	ggagctcaac	ccaatcccc	25320
cgccgcgcga	gccctatcag	cagcagccgc	gggcccttgc	ttcccaggat	ggcaccctaa	25380
aagaagctgc	agctgccgcc	gccacccacg	gacgaggagg	aatactggga	cagtcaggca	25440
gaggaggttt	tggacgagga	ggaggaggac	atgatggaag	actgggagag	cctagacgag	25500
gaagcttccg	aggtcgaaga	gggtgtcagac	gaaacaccgt	caccctcggt	cgcattcccc	25560
tcgccggcgc	cccagaaatc	ggcaaccggg	tccagcatgg	ctacaacctc	cgctccctcag	25620

gcgccgccgg	cactgcccgt	tcgccgaccc	aaccgtagat	gggacaccac	tgggaaccagg	25680
gccggtaagt	ccaagcagcc	gccgccgtta	gcccagagc	aacaacagcg	ccaaggctac	25740
cgctcatggc	gcgggcacaa	gaacgccata	gttgcttgct	tgcaagactg	tgggggcaac	25800
atctccttcg	cccgcgctt	tcttctctac	catcacggcg	tggccttccc	ccgtaacatc	25860
ctgcattact	accgtcatct	ctacagccca	tactgcaccg	gcggcagcgg	cagcggcagc	25920
aacagcagcg	gccacacaga	agcaaaggcg	accggatagc	aagactctga	caaagcccaa	25980
gaaatccaca	gcggcggcag	cagcaggagg	aggagcgctg	cgtctggcgc	ccaacgaacc	26040
cgtatcgacc	cgcgagctta	gaaacaggat	ttttccact	ctgtatgcta	tatttcaaca	26100
gagcaggggc	caagaacaag	agctgaaaat	aaaaaacagg	tctctgcgat	ccctcacccg	26160
cagctgcctg	tatcacaaaa	gcgaagatca	gcttcggcgc	acgctggaag	acgcggaggc	26220
tctcttcagt	aaatactgcg	cgctgactct	taaggactag	tttcgcgccc	tttctcaaat	26280
ttaagcgcga	aaactacgtc	atctccagcg	gccacacccg	gcgccagcac	ctgtcgtcag	26340
cgccattatg	agcaaggaaa	ttcccacgcc	ctacatgtgg	agttaccagc	cacaaatggg	26400
acttgccggt	ggagctgccc	aagactactc	aaccgaata	aactacatga	gcgcgggacc	26460
ccacatgata	tcccgggtca	acggaatccg	cgcccaccga	aaccgaattc	tcttggaaca	26520
ggcggctatt	accaccacac	ctcgtaataa	ccttaatccc	cgtagttagc	ccgctgccct	26580
ggtgtaccag	gaaagtcccg	ctcccaccac	tgtggtactt	cccagagacg	cccaggccga	26640
agttcagatg	actaactcag	gggcgcagct	tgccggcggc	tttcgtcaca	gggtgcggtc	26700
gcccgggcag	ggtataactc	acctgacaat	cagagggcga	ggtattcagc	tcaacgacga	26760
gtcggtgagc	tcctcgcttg	gtctccgtcc	ggacgggaca	tttcagatcg	gcggcgccgg	26820
ccgtccttca	ttcacgcctc	gtcaggcaat	cctaactctg	cagacctcgt	cctctgagcc	26880
gcgctctgga	ggcattggaa	ctctgcaatt	tattgaggag	tttgtgcat	cggctctactt	26940
taacccttcc	tcgggacctc	ccggccacta	tccggatcaa	tttattccta	actttgacgc	27000
ggtaaaggac	tcggcggcag	gctacgactg	aatgttaatt	aagttcctgt	ccatccgcac	27060
ccactatctt	catgttggtg	cagatgaagc	gcgcaagacc	gtctgaagat	accttcaacc	27120
ccgtgtatcc	atatgacacg	gaaaccggtc	ctccaactgt	gccttttctt	actcctccct	27180
ttgtatcccc	caatgggttt	caagagagtc	cccctggggt	actctctttg	cgcctatccg	27240
aacctctagt	tacctccaat	ggcatgcttg	cgctcaaaat	gggcaacggc	ctctctctgg	27300
acgaggccgg	caaccttacc	tcccaaaatg	taaccactgt	gagcccacct	ctcaaaaaaa	27360

ccaagtcaaa	cataaacctg	gaaatatctg	caccctcac	agttacctca	gaagccctaa	27420
ctgtggctgc	cgccgcacct	ctaattggctg	cgggcaacac	actcaccatg	caatcacagg	27480
ccccgctaac	cgtgcacgac	tccaaactta	gcattgccac	ccaaggaccc	ctcacagtgt	27540
cagaaggaaa	gctagccctg	caaacatcag	gccccctcac	caccaccgat	agcagtaccc	27600
ttactatcac	tgctcacccc	cctctaacta	ctgccactgg	tagcttgggc	attgacttga	27660
aagagcccat	ttatacacia	aatggaaaac	taggactaaa	gtacggggct	cctttgcatg	27720
taacagacga	cctaaacact	ttgaccgtag	caactgggtcc	aggtgtgact	attaataata	27780
cttccttgca	aactaaagtt	actggagcct	tgggttttga	ttcacaaggc	aatatgcaac	27840
ttaatgtagc	aggaggacta	aggattgatt	ctcaaacacag	acgccttata	cttgatgtta	27900
gttatccgtt	tgatgctcaa	aaccaactaa	atctaagact	aggacagggc	cctcttttta	27960
taaactcagc	ccacaacttg	gatattaact	acaacaaagg	cctttacttg	tttacagctt	28020
caaacaattc	caaaaagctt	gaggttaacc	taagcactgc	caaggggttg	atgtttgacg	28080
ctacagccat	agccattaat	gcaggagatg	ggcttgaatt	tggttcacct	aatgcaccaa	28140
acacaaatcc	cctcaaaaca	aaaattggcc	atggcctaga	atttgattca	aacaaggcta	28200
tggttcctaa	actaggaact	ggccttagtt	ttgacagcac	aggtgccatt	acagtaggaa	28260
acaaaaataa	tgataagcta	actttgtgga	ccacaccagc	tccatctcct	aactgtagac	28320
taaatgcaga	gaaagatgct	aaactcactt	tggctttaac	aaaatgtggc	agtcaaatac	28380
ttgctacagt	ttcagttttg	gctgttaaag	gcagtttggc	tccaatatct	ggaacagttc	28440
aaagtgtcga	tcttattata	agatttgacg	aaaatggagt	gctactaaac	aattccttcc	28500
tggacccaga	atattggaac	tttagaaatg	gagatcttac	tgaaggcaca	gcctatacaa	28560
acgctgttgg	atztatgcct	aacctatcag	cttatccaaa	atctcacggg	aaaactgcca	28620
aaagtaacat	tgtcagtcaa	gtttacttaa	acggagacaa	aactaaacct	gtaacactaa	28680
ccattacact	aaacggtaca	caggaaacag	gagacacaac	tccaagtgca	tactctatgt	28740
cattttcatg	ggactgggtct	ggccacaact	acattaatga	aatatttgcc	acatcctctt	28800
acactttttc	atacattgcc	caagaataaa	gaatcgtttg	tgttatgttt	caacgtgttt	28860
atttttcaat	tgagaaaaat	ttcaagtcac	ttttcattca	gtagtatagc	cccaccacca	28920
catagcttat	acagatcacc	gtaccttaac	caaactcaca	gaaccctagt	attcaacctg	28980
ccacctccct	cccaacacac	agagtacaca	gtcctttctc	cccggctggc	cttaaaaagc	29040
atcatatcat	gggtaacaga	catattctta	gggtgttatat	tccacacggg	ttcctgtcga	29100
gccaacgct	catcagtgat	attaataaac	tccccgggca	gctcacttaa	gttcagtgtg	29160

ctgtccagct	gctgagccac	aggctgctgt	ccaacttgcg	gttgcttaac	gggcggcgaa	29220
ggagaagtcc	acgcctacat	gggggtagag	tcataatcgt	gcatcaggat	agggcggtgg	29280
tgctgcagca	gcgcgcgaat	aaactgctgc	cgccgccgct	ccgtcctgca	ggaatacaac	29340
atggcagtgg	tctcctcagc	gatgattcgc	accgcccgc	gcataaggcg	ccttgtcctc	29400
cgggcacagc	agcgcaccct	gatctcactt	aaatcagcac	agtaactgca	gcacagcacc	29460
acaatattgt	tcaaaatccc	acagtgcgaag	gcgctgtatc	caaagctcat	ggcggggacc	29520
acagaacca	cgtggccatc	ataccacaag	cgcaggtaga	ttaagtggcg	accctcata	29580
aacacgctgg	acataaacat	tacctctttt	ggcatgttgt	aattcaccac	ctcccgtac	29640
catataaacc	tctgattaaa	catggcgcca	tccaccacca	tcctaaacca	gctggccaaa	29700
acctgcccgc	cggctataca	ctgcaggga	ccgggactgg	aacaatgaca	gtggagagcc	29760
caggactcgt	aaccatggat	catcatgctc	gtcatgatat	caatgttggc	acaacacagg	29820
cacacgtgca	tacacttcct	caggattaca	agtcctccc	gcgttagaac	catatcccag	29880
ggaacaaccc	attcctgaat	cagcgtaaat	cccacactgc	agggaagacc	tcgcacgtaa	29940
ctcacgttgt	gcattgtcaa	agtgttacat	tcgggcagca	gcggatgatc	ctccagtatg	30000
gtagcgcggg	tttctgtctc	aaaaggaggt	agacgatccc	tactgtacgg	agtgcgccga	30060
gacaaccgag	atcgtgttgg	tcgtagtgtc	atgccaaatg	gaacgccgga	cgtagtcata	30120
tttctgaag	caaaaccagg	tgcgggcggt	acaaacagat	ctgcgtctcc	ggtctcgccg	30180
cttagatcgc	tctgtgtagt	agttgtagta	tatccactct	ctcaaagcat	ccaggcgccc	30240
cctggcttcg	ggttctatgt	aaactccttc	atgcgccgct	gccctgataa	catccaccac	30300
cgcagaataa	gccacacca	gccaacctac	acattcgttc	tgcgagtcac	acacgggagg	30360
agcgggaaga	gctggaagaa	ccatgttttt	ttttttattc	caaaagatta	tccaaaacct	30420
caaatgaag	atctattaag	tgaacgcgct	cccctccggt	ggcgtgggtca	aactctacag	30480
ccaaagaaca	gataatggca	tttgtaagat	gttgcacaa	ggcttccaaa	aggcaaacgg	30540
ccctcacgtc	caagtggacg	taaaggctaa	acccttcagg	gtgaatctcc	tctataaaca	30600
ttccagcacc	ttcaaccatg	cccaaataat	tctcatctcg	ccaccttctc	aatatatctc	30660
taagcaaadc	ccgaatatta	agtccggcca	ttgtaaaaat	ctgctccaga	gcgcctcca	30720
ccttcagcct	caagcagcga	atcatgattg	caaaaattca	ggttcctcac	agacctgtat	30780
aagattcaaa	agcggaacat	taacaaaaat	accgcgatcc	cgtagggtccc	ttcgcagggc	30840
cagctgaaca	taatcgtgca	ggtctgcacg	gaccagcgcg	gccacttccc	cgccaggaac	30900

cttgacaaaa	gaacccacac	tgattatgac	acgcatactc	ggagctatgc	taaccagcgt	30960
agccccgatg	taagctttgt	tgcatgggcg	gcatataaaa	atgcaagggtg	ctgctcaaaa	31020
aatcaggcaa	agcctcgcgc	aaaaaagaaa	gcacatcgta	gtcatgctca	tgagataaaa	31080
ggcaggtaag	ctccggaacc	accacagaaa	aagacaccat	ttttctctca	aacatgtctg	31140
cgggtttctg	cataaacaca	aaataaaaata	acaaaaaaac	atttaaacad	tagaagcctg	31200
tcttacaaca	ggaaaaacaa	cccttataag	cataagacgg	actacggcca	tgccggcgtg	31260
accgtaaaaa	aactgggtcac	cgtgattaaa	aagcaccacc	gacagctcct	cgggtcatgtc	31320
cggagtcata	atgtaagact	cggtaaacac	atcagggttg	ttcatcggtc	agtgtcaaaa	31380
agcgaccgaa	atagcccggg	ggaatacata	cccgcaggcg	tagagacaac	attacagccc	31440
ccataggagg	tataacaaaa	ttaataggag	agaaaaacac	ataaacacct	gaaaaaccct	31500
cctgcctagg	caaaatagca	ccctcccgtc	ccagaacaac	atacagcgct	tcacagcggc	31560
agcctaacag	tcagccttac	cagtaaaaaa	gaaaacctat	taaaaaaaca	ccactcgaca	31620
cggcaccagc	tcaatcagtc	acagtgtaaa	aaagggccaa	gtgcagagcg	agtatatata	31680
ggactaaaaa	atgacgtaac	ggttaaagtc	cacaaaaaac	accagaaaaa	ccgcacgcga	31740
acctacgccc	agaaacgaaa	gccaaaaaac	ccacaacttc	ctcaaatcgt	cacttccggt	31800
ttcccacggt	acgtaacttc	ccattttaag	aaaactacaa	ttcccaacac	atacaagtta	31860
ctccgccta	aaacctacgt	cacccgcccc	gttcccacgc	cccgcgccac	gtcacaaaact	31920
ccaccccctc	attatcatat	tggcttcaat	ccaaaataag	gtatattatt	gatgat	31976

<210> 3
 <211> 32802
 <212> DNA
 <213> Adenovirus

<400>	3		
catcatcaat	aatatacctt	atthttggatt	
gaagccaata	tgataatgag	ggggtggagt	60
ttgtgacgtg	gcgcggggcg	tgggaacggg	
gcgggtgacg	tagtagtgtg	gcggaagtgt	120
gatgttgcaa	gtgtggcgga	acacatgtaa	
gcgacggatg	tggcaaaagt	gacgtttttg	180
gtgtgcgccg	gtgtacacag	gaagtgacaa	
ttttcgcgcg	gttttaggcg	gatgttgtag	240
taaatttggg	cgtaaccgag	taagatttgg	
ccattttcgc	gggaaaactg	aataagagga	300
agtgaaatct	gaataatttt	gtgttactca	
tagcgcgtaa	tatttgtcta	gggccgcggg	360
gactttgacc	gtttacgtgg	agactcgccc	
aggtgttttt	ctcagggtgtt	ttccgcgttc	420
cgggtcaaag	ttggcgtttt	attattatag	
tcagctgacg	tgtagtgtat	ttatacccg	480

tgagttcctc aagaggccac tcttgagtgc cagcgagtag agttttctcc tccgagccgc	540
tccgacaccg ggactgaaaa tgagacatat tatctgccac ggaggtgtta ttaccgaaga	600
aatggccgcc agtccttttg accagctgat cgaagaggta ctggctgata atcttccacc	660
tcctagccat tttgaaccac ctacccttca cgaactgtat gatttagacg tgacggcccc	720
cgaagatccc aacgaggagg cggtttcgca gatttttccc gactctgtaa tgttggcggg	780
gcaggaaggg attgacttac tcacttttcc gccggcgccc ggttctccgg agccgcctca	840
cctttcccgg cagcccgagc agccggagca gagagccttg ggtccggttt ctatgccaaa	900
ccttgtaccg gaggtgatcg atcttacctg ccacgaggct ggctttccac ccagtgacga	960
cgaggatgaa gagggtgagg agtttgtgtt agattatgtg gagcaccocg ggcacgggtg	1020
caggtcttgt cattatcacc ggaggaatac gggggaccca gatattatgt gttcgctttg	1080
ctatatgagg acctgtggca tgtttgtcta cagtaagtga aaattatggg cagtgggtga	1140
tagagtgggtg ggtttgggtg ggtaattttt tttttaattt ttacagtttt gtggtttaaa	1200
gaattttgta ttgtgatttt tttaaaaggt cctgtgtctg aacctgagcc tgagcccag	1260
ccagaaccgg agcctgcaag acctaccgcg cgtcctaaaa tggcgccctgc tatcctgaga	1320
cgcccgacat cacctgtgtc tagagaatgc aatagtagta cggatagctg tgactccggt	1380
ccttctaaca cacctcctga gatacaccocg gtggtcccg cgtgccccat taaaccagtt	1440
gccgtgagag ttggtgggcg tcgccaggct gtggaatgta tcgaggactt gcttaacgag	1500
cctgggcaac ctttggactt gagctgtaaa cggcccaggc cataagggtg aaacctgtga	1560
ttgcgtgtgt ggtaaacgcc tttgtttgct gaatgagttg atgtaagttt aataaagggt	1620
gagataatgt ttaacttgca tggcgtgtta aatggggcgg ggcttaaagg gtatataatg	1680
cgccgtgggc taatcttggg tacatctgac ctcatggagg cttgggagtg tttggaagat	1740
ttttctgctg tgcgtaactt gctggaacag agctctaaca gtacctcttg gttttggagg	1800
tttctgtggg gctcatccca ggcaaagtta gtctgcagaa ttaaggagga ttacaagtgg	1860
gaatttgaag agcttttgaa atcctgtggg gagctgtttg attctttgaa tctgggtcac	1920
caggcgcttt tccaagagaa ggtcatcaag actttggatt tttccacacc gggcgcgct	1980
gcggctgctg ttgctttttt gagttttata aaggataaat ggagcgaaga aacctatctg	2040
agcggggggg acctgctgga ttttctggcc atgcactctg ggagagcggg tgtgagacac	2100
agaatcgcc tgctactgtt gtcttcctgc cgccggcgga taataccgac ggaggagcag	2160
cagcagcagc aggaggaagc caggcgggcg cggcaggagc agagcccatg gaaccgcaga	2220
gccggcctgg accctcggga atgaatgttg tacagggtggc tgaactgtat ccagaactga	2280

gacgcatttt	gacaattaca	gaggatgggc	aggggctaaa	gggggttaaag	agggagcggg	2340
gggcttgtga	ggctacagag	gaggctagga	atctagcttt	tagcttaatg	accagacacc	2400
gtcctgagtg	tattactttt	caacagatca	aggataattg	cgctaatgag	cttgatctgc	2460
tggcgcagaa	gtattccata	gagcagctga	ccacttactg	gctgcagcca	ggggatgatt	2520
ttgaggaggc	tattagggtg	tatgcaaagg	tggcacttag	gccagattgc	aagtacaaga	2580
tcagcaaact	tgtaaataatc	aggaattgtt	gctacatttc	tgggaacggg	gccgaggtgg	2640
agatagatac	ggaggatagg	gtggccttta	gatgtagcat	gataaatatg	tggccggggg	2700
tgcttggcat	ggacgggggtg	gttattatga	atgtaagggt	tactggcccc	aatttttagcg	2760
gtacggtttt	cctggccaat	accaacctta	tcctacacgg	tgtaagcttc	tatgggttta	2820
acaatacctg	tgtggaagcc	tggaccgatg	taagggttcg	gggctgtgcc	ttttactgct	2880
gctggaaggg	ggtggtgtgt	cgccccaaaa	gcagggttc	aattaagaaa	tgcctctttg	2940
aaaggtgtac	cttgggtatc	ctgtctgagg	gtaactccag	ggtgcgccac	aatgtggcct	3000
ccgactgtgg	ttgcttcatg	ctagtgaaaa	gcgtggctgt	gattaagcat	aacatggtat	3060
gtggcaactg	cgaggacagg	gcctctcaga	tgctgacctg	ctcggacggc	aactgtcacc	3120
tgctgaagac	cattcacgta	gccagccact	ctcgcaaggc	ctggccagtg	tttgagcata	3180
acatactgac	ccgctgttcc	ttgcatttgg	gtaacaggag	gggggtgttc	ctaccttacc	3240
aatgcaattt	gagtcacact	aagatattgc	ttgagcccg	gagcatgtcc	aaggtgaacc	3300
tgaacggggg	gtttgacatg	accatgaaga	tctggaagg	gctgaggtac	gatgagaccc	3360
gcaccaggtg	cagaccctgc	gagtgtggcg	gtaaacatat	taggaaccag	cctgtgatgc	3420
tggatgtgac	cgaggagctg	aggcccgatc	acttgggtg	ggcctgcacc	cgcgctgagt	3480
ttggctctag	cgatgaagat	acagattgag	gtactgaaat	gtgtgggcgt	ggcttaaggg	3540
tgggaaagaa	tatataaggt	gggggtctta	tgtagttttg	tatctgtttt	gcagcagccg	3600
ccgccgccat	gagcaccaac	tcgtttgatg	gaagcattgt	gagctcatat	ttgacaacgc	3660
gcatgcccc	atgggcccgg	gtgcgtcaga	atgtgatggg	ctccagcatt	gatggctgcc	3720
ccgtcctgcc	cgcaaactct	actaccttga	cctacgagac	cgtgtctgga	acgccgttgg	3780
agactgcagc	ctccgccgcc	gcttcagccg	ctgcagccac	cgcccgcggg	attgtgactg	3840
actttgcttt	cctgagcccc	cttgcaagca	gtgcagcttc	ccgttcatcc	gcccgcgatg	3900
acaagttgac	ggctcttttg	gcacaattgg	attctttgac	ccgggaactt	aatgtcgttt	3960
ctcagcagct	gttggatctg	cgccagcagg	tttctgccct	gaaggcttcc	tcccctccca	4020

atgcggttta	aaacataaat	aaaaaaccag	actctgtttg	gatttggatc	aagcaagtgt	4080
cttgetgtct	ttattttaggg	gttttgcgcg	cgcggttaggc	ccgggaccag	cggtctcggt	4140
cgttgagggg	cctgtgtatt	ttttccagga	cgtggtaaag	gtgactctgg	atgttcagat	4200
acatgggcat	aagcccgtct	ctgggggtga	ggtagcacca	ctgcagagct	tcatgctgcg	4260
gggtggtggt	gtagatgatc	cagtcgtagc	aggagcgctg	ggcgtggtgc	ctaaaaatgt	4320
ctttcagtag	caagctgatt	gccaggggca	ggcccttggt	gtaagtgttt	acaaagcggt	4380
taagctggga	tgggtgcata	cgtggggata	tgagatgcat	cttggactgt	attttttaggt	4440
tggctatggt	cccagccata	tccctccggg	gattcatggt	gtgcagaacc	accagcacag	4500
tgtatccggg	gcacttggga	aatttgtcat	gtagcttaga	aggaaatgcg	tggaagaact	4560
tggagacgcc	cttgtgacct	ccaagatttt	ccatgcattc	gtccataatg	atggcaatgg	4620
gccacggggc	ggcggcctgg	gcgaagatat	ttctgggatc	actaacgtca	tagttgtggt	4680
ccaggatgag	atcgtcatag	gccattttta	caaagcgcg	gcggaggggtg	ccagactgcg	4740
gtataatggt	tccatccggc	ccagggggcg	agttaccctc	acagatttgc	atttcccacg	4800
ctttgagttc	agatgggggg	atcatgtcta	cctgcggggc	gatgaagaaa	acggtttccg	4860
gggtagggga	gatcagctgg	gaagaaagca	ggttcctgag	cagctgcgac	ttaccgcagc	4920
cggtggggcc	gtaaatcaca	cctattaccg	ggtgcaactg	gtagttaaga	gagctgcagc	4980
tgccgtcatc	cctgagcagg	ggggccactt	cgtaaagcat	gtccctgact	cgcattgttt	5040
ccctgaccaa	atccgccaga	aggcgctcgc	cgcccagcga	tagcagttct	tgcaaggaag	5100
caaagttttt	caacggtttg	agaccgtccg	ccgtaggcat	gcttttgagc	gtttgaccaa	5160
gcagttccag	gcgggtccac	agctcggtca	cctgctctac	ggcatctcga	tccagcatat	5220
ctcctcgttt	cgcggttggt	ggcggttttc	gctgtacggc	agtagtcggt	gctcgtccag	5280
acgggcccag	gtcatgtctt	tccacggggc	cagggtcctc	gtcagcgtag	tctgggtcac	5340
ggtgaagggg	tgcgtccgg	gctgcgcgct	ggccaggggtg	cgcttgaggc	tggctcctgct	5400
ggtgctgaag	cgctgccggt	cttcgccttg	cgcgtcggcc	aggtagcatt	tgaccatggt	5460
gtcatagtcc	agccccctcg	cggcgtggcc	cttggcgcg	agcttgccct	tggaggaggc	5520
gccgcacgag	gggcagtgc	gacttttgag	ggcgtagagc	ttgggcgcga	gaaataccga	5580
ttccggggag	taggcatccg	cgccgcaggc	ccgcagacg	gtctcgcat	ccacgagcca	5640
ggtgagctct	ggccgttcgg	ggtcaaaaa	caggtttccc	ccatgctttt	tgatgcgttt	5700
cttacctctg	gtttccatga	gccggtgtcc	acgctcggtg	acgaaaaggc	tgtccgtgtc	5760
cccgatatca	gacttgagag	gcctgtcctc	gagcggtggt	ccgcggtcct	cctcgatatag	5820

aaactcggac cactctgaga caaaggctcg cgtccaggcc agcacgaagg aggctaagtg	5880
ggaggggtag cggtcgttgt ccactagggg gtccactcgc tccaggggtgt gaagacacat	5940
gtcgccctct tcggcatcaa ggaaggatgat tggttttagtag gtgtaggcca cgtgaccggg	6000
tgttcctgaa ggggggctat aaaaggggggt gggggcgcggt tcgtcctcac tctcttcgcg	6060
atcgctgtct gcgagggcca gctgttgggg tgagtactcc ctctgaaaag cgggcatgac	6120
ttctgcgcta agattgtcag tttccaaaaa cgaggaggat ttgatattca cctggcccg	6180
ggtgatgcct ttgaggggtg ccgcatccat ctggtcagaa aagacaatct ttttgttgtc	6240
aagcttggtg gcaaacgacc cgtagagggc gttggacagc aacttggcga tggagcgag	6300
ggtttggttt ttgtcgcgat cggcgcgctc cttggccgcg atgttttagct gcacgtattc	6360
gcgcgcaacg caccgccatt cgggaaagac ggtggtgcgc tcgtcgggca ccaggtgcac	6420
gcgccaaccg cggttgtgca gggtgacaag gtcaacgctg gtggctacct ctccgcgtag	6480
gcgctcgttg gtccagcaga ggcgccgcc cttgcgcgag cagaatggcg gtagggggtc	6540
tagctgcgtc tcgtccgggg ggtctgcgtc cacggtaaag accccgggca gcaggcgcg	6600
gtcgaagtag tctatcttgc atccttgcaa gtctagcgcc tgctgccatg cgcgggcggc	6660
aagcgcgcgc tcgtatgggt tgagtggggg accccatggc atgggggtggg tgagcgcgga	6720
ggcgtacatg ccgcaaattg cgtaaacgta gaggggctct ctgagtattc caagatatgt	6780
agggtagcat cttccaccgc ggatgctggc gcgcacgtaa tcgtatagtt cgtgcgaggg	6840
agcgaggagg tcgggaccga ggttgctacg ggcgggctgc tctgctcgga agactatctg	6900
cctgaagatg gcatgtgagt tggatgatat ggttgacgc tggaagacgt tgaagctggc	6960
gtctgtgaga cctaccgct caccgacgaa ggaggcgtag gagtcgcgca gcttgttgac	7020
cagctcggcg gtgacctgca cgtctagggc gcagtagtcc agggtttcct tgatgatgtc	7080
atacttatcc tgtccctttt tttccacag ctgcggttg aggacaaact cttcgcggtc	7140
tttcagtag tcttgatcg gaaacccgtc ggctccgaa cggtaagagc ctagcatgta	7200
gaactgggtg acggcctggt aggcgcagca tcccttttct acgggtagcg cgtatgcctg	7260
cgcggccttc cggagcgagg tgtgggtgag cgcaaagggtg tccctgacca tgactttgag	7320
gtactggtat ttgaagtcag tgcgtcgca tccgccctgc tcccagagca aaaagtccgt	7380
gcgctttttg gaacgcggat ttggcagggc gaaggtgaca tcgttgaaga gtatctttcc	7440
cgcgcgaggc ataaagtgc gtgtgatgcg gaagggtccc ggcacctcg aacggttggt	7500
aattacctgg gcggcgagca cgatctcgtc aaagccgttg atgttggtggc ccacaatgta	7560

aagttccaag aagcgcgga tgcccttgat ggaaggcaat tttttaagtt cctcgtaggt	7620
gagctcttca ggggagctga gcccgtgctc tgaaagggcc cagtctgcaa gatgagggtt	7680
ggaagcgacg aatgagctcc acagggtcacg ggccattagc atttgaggt ggtcgcgaaa	7740
ggctctaacc tggcgacctg tggccatttt ttctgggggtg atgcagtaga aggtaagcgg	7800
gtcttgttcc cagcggtccc atccaagggt cgcggttagg tctcgcgcgg cagtcactag	7860
aggctcatct ccgccgaact tcatgaccag catgaagggc acgagctgct tcccaaaggc	7920
ccccatccaa gtataggtct ctacatcgta ggtgacaaa agacgctcgg tgcgaggatg	7980
cgagccgatc gggagaact ggatctcccg ccaccaattg gaggagtggc tattgatgtg	8040
gtgaaagtag aagtccctgc gacgggcca acactcgtgc tggcttttgt aaaaacgtgc	8100
gcagtactgg cagcggtgca cgggctgtac atcctgcacg aggttgacct gacgaccgcg	8160
cacaaggaag cagagtggga atttgagccc ctgcctggc gggtttggt ggtggtcttc	8220
tacttcggct gcttgtcctt gaccgtctgg ctgctcagg ggagttacgg tggatcggac	8280
caccacgccg cgcgagccca aagtccagat gtccgcgcgc ggcggtcggg gcttgatgac	8340
aacatcgcgc agatgggagc tgtccatggt ctggagctcc cgcggcgta ggtcaggcgg	8400
gagctcctgc aggtttacct cgcatagacg ggtcagggcg cgggctagat ccagggtgata	8460
cctaatttcc aggggctggt tgggtggcggc gtcgatggct tgcaagaggc cgcaccccg	8520
cggcgcgact acggtaccgc gcggcgggcg gtgggccgcg ggggtgtcct tggatgatgc	8580
atctaaaagc ggtgacgcgg gcgagcccc ggaggtaggg ggggctccgg acccgccggg	8640
agagggggca ggggcacgtc ggcgcgcgc gcgggcagga gctggtgctg cgcgcgtagg	8700
ttgctggcga acgcgacgac gcggcggttg atctcctgaa tctggcgct ctgcgtgaag	8760
acgacgggcc cggtgagctt gagcctgaaa gagagttcga cagaatcaat ttcgggtgtc	8820
ttgacggcgg cctggcgcaa aatctcctgc acgtctcctg agttgtcttg ataggcgatc	8880
tcggccatga actgctcgat ctcttctctc tggagatctc cgcgtccggc tcgctccacg	8940
gtggcggcga ggtcgttgga aatgcgggcc atgagctgcg agaaggcgtt gaggcctccc	9000
tcgttccaga cgcggctgta gaccacgcc ccttcggcat cgcggcgcg catgaccacc	9060
tgcgcgagat tgagctccac gtgccgggcg aagacggcgt agtttcgcag gcgctgaaag	9120
aggtagttga ggggtggtggc ggtgtgttct gccacgaaga agtacataac ccagcgtcgc	9180
aacgtggatt cgttgatata cccaaggcc tcaaggcgct ccatggcctc gtagaagtcc	9240
acggcgaagt tgaaaaactg ggagttgcgc gccgacacgg ttaactctc ctccagaaga	9300
cggatgagct cggcgacagt gtcgcgcacc tcgcgctcaa aggetacagg ggcctcttct	9360

tctttcttcaa tctcctcttc cataagggcc tccccttctt cttcttcttg	cggcggtggg	9420
ggagggggga cacggcggcg acgacggcgc accgggaggg	ggtcgacaaa gcgctcgatc	9480
atctccccgc ggcgacggcg catggtctcg gtgacggcgc ggccgttctc	gcggggggcg	9540
agttggaaga cgccgcccgt catgtcccgg ttatgggttg gcggggggct	gccatgcggc	9600
agggatacgg cgctaacgat gcatctcaac aattgtttgt taggtactcc	gccgccgagg	9660
gacctgagcg agtccgcacg gaccggatcg gaaaacctct cgagaaaggc	gtctaaccag	9720
tcacagtcgc aaggtaggct gagcaccgtg gcggggcgga gcggggcgcg	gtcgggggtt	9780
tttctggcgg aggtgctgct gatgatgtaa ttaaagtagg cggctctgag	acggcggatg	9840
gtcgacagaa gcaccatgtc cttgggtccg gcctgctgaa tgcgcaggcg	gtcggccatg	9900
ccccaggctt cgttttgaca tcggcgcagg tctttgtagt agtcttgcat	gagcctttct	9960
accggcactt cttcttctcc ttcctcttgt cctgcatctc ttgcatctat	cgctgcggcg	10020
gcggcgaggt ttggccgtag gtggcgccct cttcctccca tgcgtgtgac	cccgaagccc	10080
ctcatcggct gaagcagggc taggtcggcg acaacgcgct cggctaatat	ggcctgctgc	10140
acctgcgtga gggtagactg gaagtcaccc atgtccacaa agcggtggtg	tgcgcccgtg	10200
ttgatgggtg aagtgcagtt ggccataacg gaccagttaa cggctctggtg	acccggctgc	10260
gagagctcgg tgtacctgag acgcgagtaa gccctcgagt caaatacgta	gtcgttgcaa	10320
gtccgcacca ggtactggta tcccaccaa aagtgcggcg gcggctggcg	gtagaggggc	10380
cagcgtaggg tggccggggc tccggggggcg agatcttcca acataaggcg	atgatatccg	10440
tagatgtacc tggacatcca ggtgatgccg gcggcggttg tggaggcgcg	cggaaagtcg	10500
cggacgcggt tccagatggt gcgcagcggc aaaaagtgct ccatggtcgg	gacgctctgg	10560
ccggtcaggc gcgcgcaatc gttgacgctc tagaccgtgc aaaaggagag	cctgtaagcg	10620
ggcactcttc cgtgggtctgg tggataaatt cgcaagggtg tcatggcgga	cgaccgggggt	10680
tcgagccccg tatccggccg tccgccgtga tccatgcggt taccgcccgc	gtgtcgaacc	10740
cagggtgtcg acgtcagaca acggggggagt gctccttttg gcttccttcc	aggcgcgggc	10800
gctgctgcgc tagctttttt ggccactggc gcgcgcgagc gtaagcgggt	aggctggaaa	10860
gcgaaagcat taagtggctc gctccctgta gccggagggg tattttccaa	gggttgagtc	10920
gcgggacccc cggttcgagt ctcggaaccg ccggactgcg gcgaacgggg	gtttgcctcc	10980
ccgtcatgca agaccccgt tgcaaattcc tccggaaaca gggacgagcc	ccttttttgc	11040
ttttcccaga tgcacccggt gctgcggcag atgcgcccc	ctcctcagca gcggcaagag	11100

caagagcagc	ggcagacatg	cagggcaccc	tcccctcctc	ctaccgcgtc	aggaggggcg	11160
acatccgcgg	ttgacgcggc	agcagatggt	gattacgaac	ccccgcggcg	ccgggcccgg	11220
cactacctgg	acttgagga	gggcgagggc	ctggcgcggc	taggagcgcc	ctctcctgag	11280
cggtagccaa	gggtgcagct	gaagcgtgat	acgcgtgagg	cgtacgtgcc	gcggcagaac	11340
ctgtttcgcg	accgcgaggg	agaggagccc	gaggagatgc	gggatcgaaa	gttccacgca	11400
gggcgcgagc	tgcggcatgg	cctgaatcgc	gagcggttgc	tgcgcgagga	ggactttgag	11460
cccgacgcgc	gaaccgggat	tagtcccgcg	cgcgcacacg	tggcgggccgc	cgacctggta	11520
accgcatacg	agcagacggt	gaaccaggag	attaactttc	aaaaaagctt	taacaaccac	11580
gtgcgtacgc	ttgtggcgcg	cgaggagggt	gctataggac	tgatgcatct	gtgggacttt	11640
gtaagcgcgc	tggagcaaaa	cccaaatagc	aagccgctca	tggcgcagct	gttccttata	11700
gtgcagcaca	gcagggacaa	cgaggcattc	agggatgcgc	tgctaaacat	agtagagccc	11760
gagggccgct	ggctgctcga	tttgataaac	atcctgcaga	gcatagtggt	gcaggagcgc	11820
agcttgagcc	tggctgacaa	ggtggccgcc	atcaactatt	ccatgcttag	cctgggcaag	11880
ttttacgccc	gcaagatata	ccatacccct	tacgttccca	tagacaagga	ggtaaagatc	11940
gaggggttct	acatgcgcat	ggcgtgaag	gtgcttacct	tgagcgacga	cctgggcggt	12000
tatcgcaacg	agcgcattcca	caaggccgtg	agcgtgagcc	ggcggcgcgga	gctcagcgac	12060
cgcgagctga	tgcacagcct	gcaaagggcc	ctggctggca	cgggcagcgg	cgatagagag	12120
gccgagtcct	actttgacgc	gggcgctgac	ctgcgctggg	ccccaaagccg	acgcgccctg	12180
gaggcagctg	gggccggacc	tgggctggcg	gtggcacccg	cgcgcgctgg	caacgtcggc	12240
ggcgtggagg	aatatgacga	ggacgatgag	tacgagccag	aggacggcga	gtactaagcg	12300
gtgatgtttc	tgatcagatg	atgcaagacg	caacggaccc	ggcggtgcg	gcggcgctgc	12360
agagccagcc	gtccggcctt	aactccacgg	acgactggcg	ccaggtcatg	gaccgcatca	12420
tgtcgtgac	tgcgcgcaat	cctgacgcgt	tccggcagca	gccgcaggcc	aaccggctct	12480
ccgcaattct	ggaagcgggtg	gtcccggcgc	gcgcaaacc	cacgcacgag	aaggtgctgg	12540
cgatcgtaaa	cgcgctggcc	gaaaacaggg	ccatccggcc	cgacgaggcc	ggcctgggtct	12600
acgacgcgct	gcttcagcgc	gtggctcggt	acaacagcgg	caacgtgcag	accaacctgg	12660
accggctggt	gggggatgtg	cgcgaggccg	tggcgcagcg	tgagcgcgcg	cagcagcagg	12720
gcaacctggg	ctccatgggt	gactaaacg	ccttcctgag	tacacagccc	gccaacgtgc	12780
cgcggggaca	ggaggactac	accaactttg	tgagcgact	gcggctaata	gtgactgaga	12840
caccgcaaag	tgaggtgtac	cagtctgggc	cagactatct	tttccagacc	agtagacaag	12900

gcctgcagac	cgtaaacctg	agccaggctt	tcaaaaactt	gcaggggctg	tgggggggtgc	12960
gggctccac	aggcgaccgc	gcgaccgtgt	ctagcttgct	gacgcccac	tcgcgcctgt	13020
tgctgctgct	aatagcgccc	ttcacggaca	gtggcagcgt	gtcccgggac	acatacctag	13080
gtcacttgct	gacactgtac	cgcgaggcca	taggtcaggc	gcatgtggac	gagcatactt	13140
tccaggagat	tacaagtgtc	agccgcgcgc	tggggcagga	ggacacgggc	agcctggagg	13200
caaccctaaa	ctacctgctg	accaaccggc	ggcagaagat	cccctcgttg	cacagtttaa	13260
acagcgagga	ggagcgcatt	ttgcgctacg	tgcagcagag	cgtgagcctt	aacctgatgc	13320
gcgacggggt	aacgcccagc	gtggcgctgg	acatgaccgc	gcgcaacatg	gaaccgggca	13380
tgtatgcctc	aaaccggccg	tttatcaacc	gcctaattga	ctacttgcat	cgcgcggccg	13440
ccgtgaaccc	cgagtatttc	accaatgcc	tcttgaaccc	gactggcta	ccgccccctg	13500
gtttctacac	cgggggattc	gaggtgccc	agggtaacga	tggattcctc	tgggacgaca	13560
tagacgacag	cgtgttttcc	ccgcaaccgc	agaccctgct	agagttgcaa	cagcgcgagc	13620
aggcagaggc	ggcgctgcga	aaggaaagct	tccgcaggcc	aagcagcttg	tccgatctag	13680
gcgctgcggc	cccgcggtca	gatgctagta	gcccatttcc	aagcttgata	gggtctctta	13740
ccagcactcg	caccacccgc	ccgcgcctgc	tgggcgagga	ggagtaccta	aacaactcgc	13800
tgctgcagcc	gcagcgcgaa	aaaaacctgc	ctccggcatt	tcccaacaac	gggatagaga	13860
gcctagtgga	caagatgagt	agatggaaga	cgtacgcgca	ggagcacagg	gacgtgccag	13920
gcccgcgccc	gcccacccgt	cgtcaaaggc	acgaccgtca	gcgggggtctg	gtgtgggagg	13980
acgatgactc	ggcagacgac	agcagcgtcc	tggatttggg	agggagtggc	aacccgtttg	14040
cgcaccttcg	ccccaggctg	gggagaatgt	tttaaaaaaa	aaaaagcatg	atgcaaaata	14100
aaaaactcac	caaggccatg	gcaccgagcg	ttggttttct	tgtattcccc	ttagtatgcg	14160
gcgcgcggcg	atgtatgagg	aaggtcctcc	tccctcctac	gagagtgtgg	tgagcgcggc	14220
gccagtggcg	gcggcgctgg	gttctccctt	cgatgctccc	ctggaccgcg	cgtttgtgcc	14280
tccgcggtac	ctgcggccta	ccggggggag	aaacagcatc	cgttactctg	agttggcacc	14340
cctattcgac	accaccgctg	tgtacctggt	ggacaacaag	tcaacggatg	tggcatccct	14400
gaactaccag	aacgaccaca	gcaactttct	gaccacggtc	attcaaaaca	atgactacag	14460
cccggggggag	gcaagcacac	agaccatcaa	tcttgacgac	cggtcgact	ggggcggcga	14520
cctgaaaacc	atcctgcata	ccaacatgcc	aaatgtgaac	gagttcatgt	ttaccaataa	14580
gtttaaggcg	cgggtgatgg	tgtcgcgctt	gcctactaag	gacaatcagg	tggagctgaa	14640

atacgagtgg	gtggagttca	cgctgccccga	gggcaactac	tccgagacca	tgaccataga	14700
ccttatgaac	aacgcgatcg	tggagcacta	cttgaaagtg	ggcagacaga	acgggggttct	14760
ggaaagcgac	atcggggtaa	agtttgacac	ccgcaacttc	agactggggg	ttgacccccgt	14820
cactggtctt	gtcatgcctg	gggtatatac	aaacgaagcc	ttccatccag	acatcatttt	14880
gctgccagga	tgcgggggtg	acttcaccca	cagccgcctg	agcaacttgt	tgggcatccg	14940
caagcggcaa	cccttccagg	agggcttttag	gatcacctac	gatgatctgg	aggggtggtaa	15000
cattccccga	ctggttgatg	tggacgccta	ccaggcgagc	ttgaaagatg	acaccgaaca	15060
gggccccggg	ggcgcaggcg	gcagcaacag	cagtggcagc	ggcgcggaag	agaactccaa	15120
cgcggcagcc	gcggcaatgc	agccggtgga	ggacatgaac	gatcatgcca	ttcgcggcga	15180
cacctttgcc	acacgggctg	aggagaagcg	cgctgaggcc	gaagcagcgg	ccgaagctgc	15240
cgcccccgct	gcgcaaccgc	aggtcgagaa	gcctcagaag	aaaccgggtga	tcaaaccctt	15300
gacagaggac	agcaagaaac	gcagttacaa	cctaataagc	aatgacagca	ccttcaccca	15360
gtaccgcagc	tggtaccttg	catacaacta	cggcgaccct	cagaccggaa	tccgctcatg	15420
gacctgctt	tgactcctg	acgtaacctg	cggctcggag	caggtctact	ggtcgttgcc	15480
agacatgatg	caagaccccc	tgaccttccg	ctccacgcgc	cagatcagca	actttccggg	15540
ggcgggcgcc	gagctggttg	ccgtgcactc	caagagcttc	tacaacgacc	aggccgtcta	15600
ctcccaactc	atccgccagt	ttacctctct	gaccacgtg	ttcaatcgct	ttcccgagaa	15660
ccagattttg	gcgcgcccgc	cagccccccac	catcaccacc	gtcagtgaaa	acgttcctgc	15720
tctcacagat	cacgggacgc	taccgctgcg	caacagcatc	ggaggagtcc	agcgagtgc	15780
cattactgac	gccagacgcc	gcacctgccc	ctacgtttac	aaggccctgg	gcatagtctc	15840
gccgcgcgtc	ctatcgagcc	gcactttttg	agcaagcatg	tccatcctta	tatcgcccag	15900
caataacaca	ggctggggcc	tgcgcttccc	aagcaagatg	tttggcgggg	ccaagaagcg	15960
ctccgaccaa	caccagtg	gcgtgcgcgg	gcactaccgc	gcgccctggg	gcgcgcacaa	16020
acgcggccgc	actggggcgca	ccaccgtcga	tgacgccatc	gacgcggtgg	tggaggaggc	16080
gcgcaactac	acgcccacgc	cgccaccagt	gtccacagt	gacgcggcca	ttcagaccgt	16140
ggcgcgcgga	gcccggcgct	atgctaaaat	gaagagacgg	cggaggcgcg	tagcacgtcg	16200
ccaccgcgc	cgaccgggca	ctgccgcccc	acgcgcggcg	gcggccctgc	ttaaccgcgc	16260
acgtcgcacc	ggccgacggg	cggccatg	ggccgctcga	aggctggccg	cgggtattgt	16320
cactgtgccc	cccaggtcca	ggcgacgagc	ggccgcccga	gcagccgcgg	ccattagtgc	16380
tatgactcag	ggcgcgagg	gcaacgtgta	ttgggtgcgc	gactcgggta	gcggcctg	16440

cgtgcccgtg	cgcacccgcc	ccccgcgcaa	ctagattgca	agaaaaaact	acttagactc	16500
gtactgttgt	atgtatccag	cggcggcggc	gcgcaacgaa	gctatgtcca	agcgcaaaat	16560
caaagaagag	atgctccagg	tcacgcgcgc	ggagatctat	ggccccccga	agaaggaaga	16620
gcaggattac	aagccccgaa	agctaaagcg	ggtcaaaaag	aaaaagaaag	atgatgatga	16680
tgaacttgac	gacgagggtg	aactgctgca	cgctaccgcg	cccaggcgac	gggtacagtg	16740
gaaaggtcga	cgcgtaaaac	gtgtttttg	acccggcacc	accgtagtct	ttacgcccgg	16800
tgagcgctcc	acccgcacct	acaagcgcg	gtatgatgag	gtgtacggcg	acgaggacct	16860
gcttgagcag	gccaacgagc	gcctcgggga	gtttgcctac	ggaaagcggc	ataaggacat	16920
gctggcggtg	ccgctgggac	agggcaaccc	aacacctagc	ctaaagcccc	taacactgca	16980
gcagggtgct	cccgcgcttg	caccgtccga	agaaaagcgc	ggcctaaagc	gcgagtctgg	17040
tgacttggca	cccaccgtgc	agctgatgg	acccaagcgc	cagcgactgg	aagatgtctt	17100
ggaaaaaatg	accgtggaac	ctgggctgga	gcccagagtc	cgcgtgcggc	caatcaagca	17160
ggtggcgccg	ggactgggcg	tgcagaccgt	ggacgttcag	ataccacta	ccagtagcac	17220
cagtattgcc	accgccacag	agggcatgga	gacacaaacg	tccccggttg	cctcagcggt	17280
ggcggatgcc	gcggtgcagg	cggtcgctgc	ggccgcgtcc	aagacctcta	cggagggtgca	17340
aacggacccg	tggatgtttc	gcgtttcagc	ccccggcgc	ccgcgcggtt	cgaggaagta	17400
cggcgccgcc	agcgcgctac	tgcccgaata	tgccctacat	ccttccattg	cgcctacccc	17460
cggctatcgt	ggctacacct	accgccccag	aagacgagca	actaccgcac	gccgaaccac	17520
cactggaacc	cgccgcgcgc	gtcgccgtcg	ccagcccgtg	ctggccccga	tttccgtgcg	17580
caggggtggc	cgcaaggag	gcaggaccct	ggtgctgcca	acagcgcgct	accaccccag	17640
catcgtttaa	aagccggtct	ttgtggttct	tgcagatatg	gccctcacct	gccgcctccg	17700
tttcccggtg	ccgggattcc	gaggaagaat	gcaccgtagg	aggggcatgg	ccggccacgg	17760
cctgacgggc	ggcatgcgtc	gtgcgcacca	ccggcggcgg	cgcgcgtcgc	accgtcgcat	17820
gcgcggcggt	atcctgcccc	tccttattcc	actgatcgcc	gcggcgattg	gcgccgtgcc	17880
cggaattgca	tccgtggcct	tgcaggcgca	gagacactga	ttaaaaacaa	gttgcattgt	17940
gaaaaatcaa	aataaaaagt	ctggactctc	acgctcgctt	ggtcctgtaa	ctattttgta	18000
gaatggaaga	catcaacttt	gcgtctctgg	ccccgcgaca	cggctcgcgc	ccgttcattg	18060
gaaactggca	agatatcggc	accagcaata	tgagcggtgg	cgccttcagc	tggggctcgc	18120
tgtggagcgg	cattaaaaat	ttcggttcca	ccgttaagaa	ctatggcagc	aaggcctgga	18180

acagcagcac	aggccagatg	ctgagggata	agttgaaaga	gcaaaatttc	caacaaaagg	18240
tggtagatgg	cctggcctct	ggcattagcg	gggtggtgga	cctggccaac	caggcagtgc	18300
aaaataagat	taacagtaag	cttgatcccc	gccctcccgt	agaggagcct	ccaccggccg	18360
tggagacagt	gtctccagag	gggcgtggcg	aaaagcgctc	gcgccccgac	agggaaagaaa	18420
ctctggtgac	gcaaatagac	gagcctccct	cgtacgagga	ggcactaaag	caaggcctgc	18480
ccaccacccg	tcccatcgcg	cccatggcta	ccggagtgtc	gggccagcac	acaccgtaa	18540
cgctggacct	gcctcccccc	gccgacaccc	agcagaaacc	tgtgctgcca	ggcccagaccg	18600
ccgttgttgt	aaccgcctct	agccgcgcgt	ccctgcgcgc	cgccgccagc	ggtccgcgat	18660
cgttgcggcc	cgtagccagt	ggcaactggc	aaagcacact	gaacagcatc	gtgggtctgg	18720
gggtgcaatc	cctgaagcgc	cgacgatgct	tctgaatagc	taacgtgtcg	tatgtgtgtc	18780
atgtatgcgt	ccatgtcgcc	gccagaggag	ctgctgagcc	gccgcgcgcc	cgttttccaa	18840
gatggctacc	cottcgatga	tgccgcagtg	gtcttacatg	cacatctcgg	gccaggacgc	18900
ctcggagtac	ctgagccccg	ggctggtgca	gtttgccgcg	gccaccgaga	cgtacttcag	18960
cctgaataac	aagtttagaa	accccacggt	ggcgcctacg	cacgacgtga	ccacagaccg	19020
gtcccagcgt	ttgacgctgc	ggttcacccc	tgtggaccgt	gaggatactg	cgtactcgta	19080
caaggcgccg	ttcacccctag	ctgtgggtga	taaccgtgtg	ctggacatgg	cttcacgta	19140
ctttgacatc	cgcggcgtgc	tggacagggg	ccctactttt	aagccctact	ctggcactgc	19200
ctacaacgcc	ctggctccca	agggtgcccc	aaatccttgc	gaatgggatg	aagctgctac	19260
tgctcttgaa	ataaacctag	aagaagagga	cgatgacaac	gaagacgaag	tagacgagca	19320
agctgagcag	caaaaaactc	acgtatttgg	gcaggcgccct	tattctggta	taaatattac	19380
aaaggagggt	attcaaatag	gtgtcgaagg	tcaaacacct	aaatatgccg	ataaaacatt	19440
tcaacctgaa	cctcaaatag	gagaatctca	gtggtacgaa	actgaaatta	atcatgcagc	19500
tgggagagtc	cttaaaaaga	ctaccccaat	gaaaccatgt	tacggttcat	atgcaaaacc	19560
cacaaatgaa	aatggagggc	aaggcattct	tgtaaagcaa	caaaatggaa	agctagaaaag	19620
tcaagtggaa	atgcaatttt	tctcaactac	tgaggcgacc	gcaggcaatg	gtgataactt	19680
gactcctaaa	gtggtattgt	acagtgaaga	tgtagatata	gaaaccccag	acactcatat	19740
ttcttacatg	cccactatta	aggaaggtaa	ctcacgagaa	ctaattggcc	aacaatctat	19800
gcccacagg	cctaattaca	ttgcttttag	ggacaatttt	attggtctaa	tgtattacaa	19860
cagcacgggt	aatatgggtg	ttctggcggg	ccaagcatcg	cagttgaatg	ctgttgtaga	19920
tttgcaagac	agaaacacag	agctttcata	ccagcttttg	cttgattcca	ttggtgatag	19980

aaccaggtac	ttttctatgt	ggaatcaggc	tgttgacagc	tatgatccag	atgttagaat	20040
tattgaaaat	catggaactg	aagatgaact	tccaaattac	tgctttccac	tgggaggtgt	20100
gattaataca	gagactctta	ccaaggtaaa	acctaaaaca	ggtcaggaaa	atggatggga	20160
aaaagatgct	acagaatfff	cagataaaaa	tgaaataaga	gttggaataa	atfffgccat	20220
ggaaatcaat	ctaaatgcc	acctgtggag	aaatffctg	tactccaaca	tagcgctgta	20280
tttgcccgac	aagctaaagt	acagtccttc	caacgtaaaa	atffctgata	acccaaacac	20340
ctacgactac	atgaacaagc	gagtgggtgc	tcccggtta	gtggactgct	acattaacct	20400
tggagcacgc	tggtcccttg	actatatgga	caacgtcaac	ccatttaacc	accaccgcaa	20460
tgctggcctg	cgctaccgct	caatggtgct	gggcaatggt	cgctatgtgc	ccttccacat	20520
ccaggtgcct	cagaagttct	ttgccattaa	aaacctcctt	ctcctgccgg	gctcatacac	20580
ctacgagtgg	aacttcagga	aggatgttaa	catggttctg	cagagctccc	taggaaatga	20640
cctaaggggt	gacggagcca	gcattaagtt	tgatagcatt	tgcttttacg	ccaccttctt	20700
ccccatggcc	cacaacaccg	cctccacgct	tgaggccatg	cttagaaacg	acaccaacga	20760
ccagtccttt	aacgactatc	tctccgccgc	caacatgctc	tacctatac	ccgccaacgc	20820
taccaacgtg	cccatatcca	tcccctcccg	caactgggcg	gctttccgcg	gctgggcctt	20880
cacgcgcctt	aagactaagg	aaaccccatc	actgggctcg	ggctacgacc	cttattacac	20940
ctactctggc	tctataccct	acctagatgg	aaccttttac	ctcaaccaca	cctttaagaa	21000
ggtggccatt	acctttgact	cttctgtcag	ctggcctggc	aatgaccgcc	tgcttaccct	21060
caacgagttt	gaaattaagc	gctcagttga	cggggagggt	tacaacgttg	cccagtgtaa	21120
catgaccaa	gactggttcc	tggtacaaat	gctagctaac	tacaacattg	gctaccaggg	21180
cttctatatc	ccagagagct	acaaggaccg	catgtactcc	ttcttttaga	acttccagcc	21240
catgagccgt	caggtgggtg	atgatactaa	atacaaggac	taccaacagg	tgggcacctc	21300
acaccaacac	aacaactctg	gatttggttg	ctaccttgcc	cccaccatgc	gcgaaggaca	21360
ggcctaccct	gctaacttcc	cctatccgct	tataggcaag	accgcagttg	acagcattac	21420
ccagaaaaag	tttctttgcg	atcgaccctt	ttggcgcatc	ccattctcca	gtaactttat	21480
gtccatgggc	gcactcacag	acctgggcca	aaaccttctc	tacgccaact	ccgcccacgc	21540
gctagacatg	acttttgagg	tggatcccat	ggacgagccc	accttctttt	atgttttggt	21600
tgaagtcttt	gacgtggtcc	gtgtgcaccg	gccgcaccgc	ggcgcatcgc	aaaccgtgta	21660
cctgcgcacg	cccttctcgg	ccggcaacgc	cacaacataa	agaagcaagc	aacatcaaca	21720

acagctgccg	ccatgggctc	cagtgagcag	gaactgaaag	ccattgtcaa	agatcttggt	21780
tgtggggccat	atTTTTTggg	cacctatgac	aagcgctttc	caggctttgt	ttctccacac	21840
aagctcgcc	gcgccatagt	caatacggcc	ggtcgcgaga	ctgggggct	acactggatg	21900
gcctttgct	ggaacccgca	ctcaaaaaca	tgctacctct	ttgagccctt	tggtttttct	21960
gaccagcgac	tcaagcaggt	ttaccagttt	gagtacaggt	cactcctgcg	ccgtagcgcc	22020
attgcttctt	cccccgaccg	ctgtataacg	ctggaaaagt	ccacccaaag	cgtacagggg	22080
cccaactcgg	cgccctgtgg	actattctgc	tgcatgtttc	tccacgcctt	tgccaactgg	22140
ccccaaactc	ccatggatca	caaccccacc	atgaacctta	ttaccggggg	acccaactcc	22200
atgctcaaca	gtccccaggt	acagcccacc	ctgcgtcgca	accaggaaca	gctctacagc	22260
ttcctggagc	gccactcgcc	ctacttccgc	agccacagtg	cgcagattag	gagcgccact	22320
tctttttgtc	acttgaaaaa	catgtaaaaa	taatgtacta	gagacacttt	caataaaggc	22380
aaatgctttt	atttgtagac	tctcggtgga	ttatttacc	ccacccttgc	cgtctgcgcc	22440
gtttaaaaat	caaaggggtt	ctgccgcgca	tcgctatgcg	ccactggcag	ggacacgttg	22500
cgatactggg	gttttagtgct	ccacttaaac	tcaggcacaa	ccatccgcgg	cagctcgggtg	22560
aagttttcac	tccacaggct	gcgcaccatc	accaacgcgt	ttagcaggtc	ggggcgccgat	22620
atcttgaagt	cgcagttggg	gcctccgccc	tgcgcgcgcg	agttgcgata	cacagggttg	22680
cagcactgga	acactatcag	cgccgggtgg	tgcacgctgg	ccagcacgct	cttgtcggag	22740
atcagatccg	cgtccaggct	ctccgcgttg	ctcagggcga	acggagtcaa	ctttggtagc	22800
tgctttccca	aaaagggcgc	gtgcccaggc	tttgagttgc	actcgcaccg	tagtggcatc	22860
aaaaggtgac	cgtgcccggg	ctgggcgtta	ggatacagcg	cctgcataaa	agccttgatc	22920
tgcttaaaag	ccacctgagc	ctttgcgcct	tcagagaaga	acatgccgca	agacttgccg	22980
gaaaactgat	tggccggaca	ggccgcgtcg	tgcacgcagc	accttgcgtc	ggtgttgag	23040
atctgcacca	catttcggcc	ccaccgggtt	ttcacgatct	tggccttgct	agactgctcc	23100
ttcagcgcg	gctgcccgtt	ttegctcgtc	acatccattt	caatcacgtg	ctccttattt	23160
atcataatgc	ttccgtgtag	acacttaagc	tcgccttcga	tctcagcgca	gcggtgcagc	23220
cacaacgcgc	agcccgtggg	ctcgatgatc	ttgtagggtca	cctctgcaaa	cgactgcagg	23280
tacgcctgca	ggaatcgccc	catcatcgtc	acaaaggctt	tggtgctggg	gaaggtcagc	23340
tgcaaccgc	ggtgctcttc	gttcagccag	gtcttgcata	eggccgccag	agcttccact	23400
tggtcaggca	gtagtttgaa	gttcgccttt	agatcggtat	ccacgtggta	cttgtccatc	23460
agcgcgcgcg	cagcctccat	gcccttctcc	cacgcagaca	cgatcggcac	actcagcggg	23520

ttcatcaccg	taatttcact	ttccgcttcg	ctgggctctt	cctcttcctc	ttgcgtccgc	23580
ataccacgcg	ccactgggtc	gtcttcattc	agccgccgca	ctgtgcgctt	acctcctttg	23640
ccatgcttga	ttagcaccgg	tgggttgctg	aaaccaccca	tttgtagcgc	cacatcttct	23700
ctttcttctc	cgctgtccac	gattacctct	ggtgatggcg	ggcgctcggg	cttgggagaa	23760
gggcgcttct	ttttcttctt	gggcgcaatg	gccaaatccg	ccgccgaggt	cgatggccgc	23820
gggctgggtg	tgcgcggcac	cagcgcgtct	tgtgatgagt	cttcctcgtc	ctcggactcg	23880
atacgccgcc	tcatccgctt	ttttgggggc	gccgggggag	gcggcgggca	cggggacggg	23940
gacgacacgt	cctccatggt	tgggggacgt	cgcgccgcac	cgcgctccgcg	ctcgggggtg	24000
gtttcgcgct	gtcctctctc	ccgactggcc	atttccttct	cctataggca	gaaaaagatc	24060
atggagtcag	tcgagaagaa	ggacagccta	accgccccct	ctgagttcgc	caccaccgcc	24120
tccaccgatg	ccgccaacgc	gcctaccacc	ttccccgtcg	aggcaccccc	gcttgaggag	24180
gaggaagtga	ttatcgagca	ggaccaggt	tttgtaagcg	aagacgacga	ggaccgctca	24240
gtaccaacag	aggataaaaa	gcaagaccag	gacaacgcag	aggcaaacga	ggaacaagtc	24300
gggcgggggg	acgaaaggca	tggcgactac	ctagatgtgg	gagacgacgt	gctgttgaag	24360
catctgcagc	gccagtgcgc	cattatctgc	gacgcgttgc	aagagcgagc	cgatgtgccc	24420
ctcgccatag	cggatgtcag	ccttgccctac	gaacgccacc	tattctcacc	gcgcgtaccc	24480
cccaaacgcc	aagaaaacgg	cacatgcgag	cccaaccgcg	gcctcaactt	ctaccccgtg	24540
tttgccgtgc	cagaggtgct	tgccacctat	cacatctttt	tccaaaactg	caagataccc	24600
ctatcctgcc	gtgccaaaccg	cagccgagcg	gacaagcagc	tggccttgcg	gcagggcgct	24660
gtcatacctg	atatcgccctc	gctcaacgaa	gtgccaaaaa	tctttgaggg	tcttgagcgc	24720
gacgagaagc	gcgcggcaaa	cgctctgcaa	caggaaaaca	gcgaaaatga	aagtcaactct	24780
ggagtgttgg	tggaaactga	gggtgacaac	gcgcgcctag	ccgtactaaa	acgcagcatc	24840
gaggtcacc	actttgccta	cccggcactt	aacctacccc	ccaaggatcat	gagcacagtc	24900
atgagtgagc	tgatcgtgcg	ccgtgcgcag	cccctggaga	gggatgcaaa	tttgcaagaa	24960
caaacagagg	agggcctacc	cgcagttggc	gacgagcagc	tagcgcgctg	gcttcaaacg	25020
cgcgagcctg	ccgacttgga	ggagcgacgc	aaactaatga	tggccgcagt	gctcgttacc	25080
gtggagcttg	agtgcattga	gcggttcttt	gctgaccggg	agatgcagcg	caagctagag	25140
gaaacattgc	actacacctt	tcgacagggc	tacgtacgcc	aggcctgcaa	gatctccaac	25200
gtggagctct	gcaacctggt	ctcctacctt	ggaattttgc	acgaaaaccg	ccttgggcaa	25260

aacgtgcttc	attccacgct	caagggcgag	gcgcgccg	actacgtccg	cgactgcgtt	25320
tacttatttc	tatgctacac	ctggcagacg	gccatggg	tttggcagca	gtgcttgag	25380
gagtgc aacc	tcaaggagct	gcagaaactg	ctaaagcaaa	acttgaagga	cctatggacg	25440
gccttcaacg	agcgtccgt	ggccgcgcac	ctggcggaca	tcattttccc	cgaacgcctg	25500
cttaaaaccc	tgcaacaggg	tctgccagac	ttcaccagtc	aaagcatggt	gcagaacttt	25560
aggaacttta	tcctagagcg	ctcaggaatc	ttgcccgcga	cctgctgtgc	acttcctagc	25620
gactttgtgc	ccattaagta	ccgcgaatgc	cctccgccgc	tttggggcca	ctgctacctt	25680
ctgcagctag	ccaactacct	tgcctaccac	tctgacataa	tggaagacgt	gagcggtgac	25740
ggctctactg	agtgtcactg	tcgctgcaac	ctatgcaccc	cgcaccgctc	cctggtttgc	25800
aattcgcagc	tgtttaacga	aagtcaaatt	atcgggtacct	ttgagctgca	gggtccctcg	25860
cctgacgaaa	agtccgcggc	tccgggggtg	aaactcactc	cggggctgtg	gacgtcggct	25920
tacottcgca	aatttgtacc	tgaggactac	cacgcccacg	agattaggtt	ctacgaagac	25980
caatcccgcc	cgccaaatgc	ggagcttacc	gcctgcgtca	ttaccaggg	ccacattctt	26040
ggccaattgc	aagccatcaa	caaagcccgc	caagagtttc	tgctacgaaa	gggacggggg	26100
gtttacttgg	acccccagtc	cggcgaggag	ctcaacccaa	cccccccgcc	gccgcagccc	26160
tatcagcagc	agccgcgggc	ccttgcttcc	caggatggca	cccaaaaaga	agctgcagct	26220
gccgccgcca	cccacggacg	aggaggaata	ctgggacagt	caggcagagg	aggttttgga	26280
cgaggaggag	gaggacatga	tggaagactg	ggagagccta	gacgaggaag	cttccgaggt	26340
cgaagagggtg	tcagacgaaa	caccgtcacc	ctcggtcgca	ttcccctcgc	cggcgcccca	26400
gaaatcggca	accggttcca	gcatggctac	aacctccgct	cctcaggcgc	cgcgcgcact	26460
gcccgttcgc	cgacccaacc	gtagatggga	caccactgga	accagggccg	gtaagtccaa	26520
gcagccgccg	ccgttagccc	aagagcaaca	acagcgccaa	ggctaccgct	catggcgcg	26580
gcacaagaac	gccatagttg	cttgcttgca	agactgtggg	ggcaacatct	ccttcgcccc	26640
ccgctttctt	ctctaccatc	acggcgtggc	cttcccccg	aacatcctgc	attactaccg	26700
tcattctctac	agcccatact	gcaccggcgg	cagcggcagc	ggcagcaaca	gcagcggcca	26760
cacagaagca	aaggcgaccg	gatagcaaga	ctctgacaaa	gcccagaaa	tccacagcgg	26820
cggcagcagc	aggaggagga	gcgctgcgtc	tggcgcccaa	cgaaccgta	tcgaccgcg	26880
agcttagaaa	caggattttt	cccactctgt	atgctatatt	tcaacagagc	aggggccaag	26940
aacaagagct	gaaaataaaa	aacaggcttc	tgcgatccct	caccgcagc	tgctgtatc	27000
acaaaagcga	agatcagctt	cggcgcacgc	tggaagacgc	ggaggctctc	ttcagtaa	27060

actgcgcgct gactcttaag gactagtttc ggcgcctttc tcaaatttaa gcgcgaaaac	27120
tacgtcatct ccagcggcca caccggcgc cagcacctgt cgtcagcgcc attatgagca	27180
aggaaattcc cagccctac atgtggagtt accagccaca aatgggactt gcggctggag	27240
ctgccaaga ctactcaacc cgaataaact acatgagcgc gggacccac atgatatccc	27300
gggtcaacgg aatccgcgc caccgaaacc gaattctctt ggaacaggcg gctattacca	27360
ccacacctcg taataacctt aatccccgta gttggccgc tgccctgggtg taccaggaaa	27420
gtcccgctcc caccactgtg gtacttccca gagacgcca ggccgaagtt cagatgacta	27480
actcaggggc gcagcttgcg ggcggctttc gtcacagggt gcggtcgccc gggcagggtg	27540
taactcacct gacaatcaga gggcgaggta ttcagctcaa cgacgagtcg gtgagctcct	27600
cgcttgggtct ccgtccggac gggacatttc agatcggcgg cgccggccgt ccttcattca	27660
cgctcgtca ggcaatccta actctgcaga cctcgtcctc tgagccgcgc tctggaggca	27720
ttggaactct gcaatttatt gaggagtttg tgccatcgggt ctactttaac cccttctcgg	27780
gacctcccg ccactatccg gatcaattta ttctaactt tgacgcggta aaggactcgg	27840
cggacggcta cgactgaatg ttaattaagt tcctgtccat ccgcacccac tatcttcattg	27900
ttgttgaga tgaagcgcgc aagaccgtct gaagatacct tcaaccccggt gtatccatat	27960
gacacggaaa ccggtcctcc aactgtgcct tttcttactc ctccctttgt atccccaat	28020
gggtttcaag agagtcccc tggggtactc tctttgcgc tatccgaacc tctagttacc	28080
tccaatggca tgcttgcgct caaaatgggc aacggcctct ctctggacga ggccggcaac	28140
cttacctccc aaaatgtaac cactgtgagc ccacctctca aaaaaaccaa gtcaaacata	28200
aacctggaaa tatctgcacc cctcacagtt acctcagaag ccctaactgt ggctgccgcc	28260
gcacctctaa tggtcgcggg caacacactc accatgcaat cacaggcccc gctaaccgtg	28320
cacgactcca aacttagcat tgccacccaa ggacccctca cagtgtcaga aggaaagcta	28380
gccctgcaaa catcaggccc cctcaccacc accgatagca gtacccttac tatcactgcc	28440
tcacccctc taactactgc cactggtagc ttgggcattg acttgaaaga gccatttat	28500
acacaaaatg gaaaactagg actaaagtac ggggctcctt tgcatgtaac agacgaccta	28560
aacactttga ccgtagcaac tgggtccagggt gtgactatta ataatacttc cttgcaaact	28620
aaagtactg gagccttggg ttttgattca caaggcaata tgcaacttaa tgtagcagga	28680
ggactaagga ttgattctca aaacagacgc cttatacttg atgttagtta tccgtttgat	28740
gctcaaaacc aactaaatct aagactagga cagggccctc tttttataaa ctcagccac	28800

aacttgata	ttactacaa	caaaggcctt	tacttgttta	cagcttcaaa	caattccaaa	28860
aagcttgagg	ttaacctaag	cactgccaaag	gggttgatgt	ttgacgctac	agccatagcc	28920
attaatgcag	gagatgggct	tgaatttggt	tcacctaata	caccaaacac	aatccccctc	28980
aaaacaaaaa	ttggccatgg	cctagaatth	gattcaaaca	aggctatgg	tcctaaacta	29040
ggaactggcc	ttagtthtga	cagcacagg	gccattacag	taggaaacaa	aaataatgat	29100
aagctaactt	tgtggaccac	accagctcca	tctcctaact	gtagactaaa	tgagagaaaa	29160
gatgctaaac	tcactthtgg	cttaacaaaa	tgtggcagtc	aaatacttgc	tacagthtca	29220
gtthtggctg	ttaaaggcag	thtggctcca	atatctggaa	cagthcaaa	tgctcatctt	29280
attataagat	ttgacgaaaa	tgagtgcta	ctaaacaatt	ccttcctgga	cccagaatat	29340
tggaacttht	gaaatggaga	tcttactgaa	ggcacagcct	atacaaacgc	tgttggattt	29400
atgcctaacc	tatcagctta	tcacaaatct	cacggtaaaa	ctgccaaaag	taacattgtc	29460
agtcaagtht	acttaaacgg	agacaaaact	aaacctgtaa	cactaacat	tacactaaac	29520
ggtacacagg	aaacaggaga	cacaactcca	agtgcatact	ctatgtcatt	thcatgggac	29580
tggtctggcc	acaactacat	taatgaaata	thtgccacat	cctcttacac	ththtcatat	29640
attgcccag	aataaagaat	cgthtgtgt	atgthtcaac	gtgtthtatt	thcaattgca	29700
gaaaatttht	agtcatttht	cattcagtag	tatagcccca	ccaccacata	gcttatatag	29760
atcacgctac	cttaatcaaa	ctcacagaa	cctagtattc	aacctgccac	ctccctccca	29820
acacacagag	tacacagtcc	thtctccccg	gctggcctta	aaaagcatca	tatcatgggt	29880
aacagacata	thcttaggtg	thtatattcca	cacggthtcc	tgctgagcca	aacgctcatc	29940
agtgatatta	ataaactccc	cgggcagctc	acttaagtht	atgtcgctgt	ccagctgctg	30000
agccacaggc	tgctgtccaa	cttgcggttg	cttaacgggc	ggcgaaggag	aagtccacgc	30060
ctacatgggg	gtagagtcac	aatcgtgcac	caggatagg	cggtgggtgt	gcagcagcgc	30120
gcgaataaac	tgctgccgcc	gccgctccgt	cctgcaggaa	tacaacatgg	cagtggctct	30180
ctcagcgatg	attcgcaccg	cccgcagcat	aaggcgctt	gtcctccggg	cacagcagcg	30240
cacctgatc	tcacttaaat	cagcacagta	actgcagcac	agcaccacaa	tattgttcaa	30300
aatccacag	tgcaaggcgc	tgtatccaaa	gctcatggcg	gggaccacag	aacccacgtg	30360
gcatcatat	cacaagcgca	ggtagattaa	gtggcgaccc	ctcataaaca	cgctggacat	30420
aaacattacc	ththtggca	tgttgtaatt	caccacctcc	cggtaccata	taaacctctg	30480
attaaacatg	gcgccatcca	ccaccatcct	aaaccagctg	gccaaaacct	gcccgcgggc	30540
tataactgc	agggaaaccg	gactggaaca	atgacagtgg	agagcccagg	actcgtaacc	30600

atggatcatc atgctcgtca tgatatcaat gttggcacia cacaggcaca cgtgcataca	30660
cttcctcagg attacaagct cctcccgcgt tagaaccata tcccagggaa caacccattc	30720
ctgaatcagc gtaaatccca cactgcaggg aagacctcgc acgtaactca cgttgtgcat	30780
tgtcaaagtg ttacattcgg gcagcagcgg atgatcctcc agtatggtag cgcgggtttc	30840
tgtctcaaaa ggaggtagac gatccctact gtacggagtg cgccgagaca accgagatcg	30900
tgttggtcgt agtgtcatgc caaatggaac gccggacgta gtcataatttc ctgaagcaaa	30960
accaggtgcg ggcgtgacaa acagatctgc gtctccggtc tcgccgotta gatcgctctg	31020
tgtagtagtt gtagtatatc cactctctca aagcatccag gcgccccctg gcttcggggtt	31080
ctatgtaaac tccttcatgc gccgctgccc tgataacatc caccaccgca gaataagcca	31140
caccagcca acctacacat tcgttctgcy agtcacacac gggaggagcg ggaagagctg	31200
gaagaacat gttttttttt ttattccaaa agattatcca aaacctcaaa atgaagatct	31260
attaagtga cgcgctcccc tccggtggcg tggtaaact ctacagccaa agaacagata	31320
atggcatttg taagatgttg cacaatggct tccaaaaggc aaacggccct cacgtccaag	31380
tggacgtaaa ggctaaaccc ttcagggtga atctcctcta taaacattcc agcaccttca	31440
accatgcccc aataattctc atctcgccac cttctcaata tatctctaag caaatccga	31500
atattaagtc cggccattgt aaaaatctgc tccagagcgc cctccacctt cagcctcaag	31560
cagcgaatca tgattgcaaa aattcaggtt cctcacagac ctgtataaga ttcaaaagcg	31620
gaacattaac aaaaataccg cgatcccgta ggtcccttcg cagggccagc tgaacataat	31680
cgtgcaggtc tgcacggacc agcgcggcca cttccccgcc aggaaccttg acaaaagaac	31740
ccacactgat tatgacacgc atactcggag ctatgctaac cagcgtagcc ccgatgtaag	31800
ctttgttgca tgggcggcga tataaaatgc aaggtgctgc tcaaaaaatc aggcaaagcc	31860
tcgcgcaaaa aagaaagcac atcgtagtca tgctcatgca gataaaggca ggtaagctcc	31920
ggaaccacca cagaaaaaga caccattttt ctctcaaaca tgtctgcggg tttctgcata	31980
aacacaaaat aaaataacaa aaaaacattt aaacattaga agcctgtctt acaacaggaa	32040
aaacaaccct tataagcata agacggacta cggccatgcc ggcgtgaccg taaaaaact	32100
ggtcaccgtg attaaaaagc accaccgaca gtcctcgggt catgtccgga gtcataatgt	32160
aagactcgggt aaacacatca gggtgattca tcggtcagtg ctaaaaagcg accgaaatag	32220
cccgggggaa tacatacccg caggcgtaga gacaacatta cagcccccat aggaggtata	32280
acaaaattaa taggagagaa aaacacataa acacctgaaa aaccctcctg cctaggcaaa	32340

atagcaccct	cccgtctccag	aacaacatac	agcgcttcac	agcggcagcc	taacagtcag	32400
ccttaccagt	aaaaaagaaa	acctattaaa	aaaacaccac	tcgacacggc	accagctcaa	32460
tcagtcacag	tgtaaaaaag	ggccaagtgc	agagcgagta	tatataggac	taaaaaatga	32520
cgtaacggtt	aaagtccaca	aaaaacaccc	agaaaaccgc	acgcgaacct	acgcccagaa	32580
acgaaagcca	aaaaacccac	aacttcctca	aatcgctact	tccgttttcc	cacgttacgt	32640
aacttcccat	tttaagaaaa	ctacaattcc	caacacatac	aagttactcc	gccctaaaac	32700
ctacgtcacc	cgccccgttc	ccacgccccg	cgccacgtca	caaactccac	cccctcatta	32760
tcatattggc	ttcaatccaa	aataaggtat	attattgatg	at		32802

<210> 4
 <211> 35935
 <212> DNA
 <213> adenovirus

<400> 4						
catcatcaat	aatatacctt	attttggatt	gaagccaata	tgataatgag	ggggtggagt	60
ttgtgacgtg	gcgcggggcg	tgggaacggg	gcgggtgacg	tagtagtgtg	gcggaagtgt	120
gatgttgcaa	gtgtggcgga	acacatgtaa	gcgacggatg	tggcaaaagt	gacgtttttg	180
gtgtgcgcgc	gtgtacacag	gaagtgacaa	ttttcgcgcg	gttttaggcg	gatgtttag	240
taaatttggg	cgtaaccgag	taagatttgg	ccattttcgc	gggaaaactg	aataagagga	300
agtgaaatct	gaataatttt	gtgttactca	tagcgcgtaa	tatttgtcta	gggccgcggg	360
gactttgacc	gtttacgtgg	agactcgccc	aggtgttttt	ctcaggtgtt	ttccgcgttc	420
cgggtcaaag	ttggcggttt	attattatag	tcagctgacg	tgtagtgtat	ttatacccg	480
tgagttcctc	aagaggccac	tcttgagtgc	cagcgagtag	agttttctcc	tccgagccgc	540
tccgacaccg	ggactgaaaa	tgagacatat	tatctgccac	ggaggtgtta	ttaccgaaga	600
aatggccgcc	agtcttttgg	accagctgat	cgaagaggta	ctggctgata	atcttcacc	660
tcctagccat	tttgaaccac	ctacccttca	cgaactgtat	gatttagacg	tgacggcccc	720
cgaagatccc	aacgaggagg	cggtttcgca	gatttttccc	gactctgtaa	tgttggcggt	780
gcaggaaggg	attgacttac	tcacttttcc	gccggcgccc	ggttctccgg	agccgcctca	840
cctttcccgg	cagcccagagc	agccggagca	gagagccttg	ggtcgggttt	ctatgcaaaa	900
ccttgtaccg	gaggtgatcg	atcttacctg	ccacgaggct	ggctttccac	ccagtgacga	960
cgaggatgaa	gagggtgagg	agtttgtgtt	agattatgtg	gagcaccocg	ggcacggttg	1020
caggtcttgt	cattatcacc	ggaggaatac	gggggacca	gatattatgt	gttcgccttg	1080

ctatatgagg	acctgtggca	tgtttgtcta	cagtaagtga	aaattatggg	cagtgggtga	1140
tagagtgggtg	ggtttgggtg	ggtaatTTTT	TTTTtaattt	ttacagtTTT	gtggTTtaaa	1200
gaattttgta	ttgtgatttt	tttaaaaggt	cctgtgtctg	aacctgagcc	tgagcccgag	1260
ccagaaccgg	agcctgcaag	acctaccgcg	cgtcctaaaa	tggcgccctgc	tatcctgaga	1320
cgcctgacat	cacctgtgtc	tagagaatgc	aatagtagta	cggatagctg	tgactccggt	1380
ccttctaaca	cacctcctga	gatacacccg	gtgggtccgcg	tgtgccccat	taaaccagtt	1440
gccgtgagag	ttggtgggcg	tcgccaggct	gtggaatgta	tcgaggactt	gcttaacgag	1500
cctgggcaac	ctttggactt	gagctgtaaa	cgcctccaggc	cataagggtg	aaacctgtga	1560
ttgcgtgtgt	ggttaacgcc	tttgtttgc	gaatgagttg	atgtaagttt	aataaagggt	1620
gagataatgt	ttaacttgca	tggcgtgtta	aatggggcg	ggcttaaagg	gtatataatg	1680
cgcctggggc	taatcttgg	tacatctgac	ctcatggagg	cttgggagtg	tttgggaagat	1740
ttttctgctg	tgcgtaactt	gctggaacag	agctctaaca	gtacctcttg	gttttggagg	1800
ttttctgtgg	gtcatccca	ggcaaagtta	gtctgcagaa	ttaaggagga	ttacaagtgg	1860
gaatttgaag	agcttttgaa	atcctgtgg	gagctgtttg	attctttgaa	tctgggtcac	1920
caggcgcttt	tccaagagaa	ggcatcaag	actttggatt	tttccacacc	ggggcgcgct	1980
gcggctgctg	ttgctTTTT	gagttttata	aaggataaat	ggagcgaaga	aacccatctg	2040
agcgggggg	acctgctgga	ttttctggcc	atgcatctgt	ggagagcgg	tgtgagacac	2100
aagaatcgcc	tgctactgtt	gtcttccgtc	cgcctggcga	taataccgac	ggaggagcag	2160
cagcagcagc	aggaggaagc	caggcggcg	cggcaggagc	agagcccatg	gaacccgaga	2220
gccggcctgg	accctcgga	atgaatgttg	tacaggtggc	tgaactgtat	ccagaactga	2280
gacgcatttt	gacaattaca	gaggatgggc	aggggctaaa	gggggtaaag	agggagcggg	2340
gggcttgtga	ggctacagag	gaggctagga	atctagcttt	tagcttaatg	accagacacc	2400
gtcctgagtg	tattactttt	caacagatca	aggataattg	cgctaatgag	cttgatctgc	2460
tggcgagaa	gtattccata	gagcagctga	ccacttactg	gctgcagcca	ggggatgatt	2520
ttgaggaggc	tattagggtg	tatgcaaagg	tggcacttag	gccagattgc	aagtacaaga	2580
tcagcaaact	tgtaaatac	aggaattgtt	gctacatttc	tgggaacggg	gccgaggtgg	2640
agatagatac	ggaggatagg	gtggccttta	gatgtagcat	gataaatatg	tggccggggg	2700
tgcttggcat	ggacgggggtg	gttattatga	atgtaagggt	tactggcccc	aatttttagcg	2760
gtacgggttt	cctggccaat	accaacctta	tcctacacgg	tgtaagcttc	tatgggttta	2820
acaatacctg	tgtggaagcc	tggaccgatg	taagggttcg	gggctgtgcc	ttttactgct	2880

gctggaaggg ggtggtgtgt cgccccaaaa gcagggcttc aattaagaaa tgcctctttg	2940
aaaggtgtac cttgggtatc ctgtctgagg gtaactccag ggtgcgccac aatgtggcct	3000
ccgactgtgg ttgcttcatg ctagtgaaaa gcgtggctgt gattaagcat aacatggtat	3060
gtggcaactg cgaggacagg gcctctcaga tgctgacctg ctcggaaggc aactgtcacc	3120
tgctgaagac cattcacgta gccagccact ctcgcaaggc ctggccagtg tttgagcata	3180
acatactgac ccgctgttcc ttgcatttgg gtaacaggag gggggtgttc ctaccttacc	3240
aatgcaatth gagtcacact aagatattgc ttgagcccga gagcatgtcc aaggtgaacc	3300
tgaacggggt gtttgacatg accatgaaga tctggaaggt gctgaggtac gatgagaccc	3360
gcaccaggtg cagaccctgc gagtgtggcg gtaaaccatat taggaaccag cctgtgatgc	3420
tggatgtgac cgaggagctg agggccgac cttggtgtct ggccctgcacc cgcgctgagt	3480
ttggctctag cgatgaagat acagattgag gtactgaat gtgtgggcgt ggcttaaggg	3540
tgggaaagaa tatataaggt gggggtctta ttagttttgc tatctgtttt gcagcagccg	3600
ccgccgccat gagcaccaac tcgtttgatg gaagcattgt gagctcatat ttgacaacgc	3660
gcatgcccc atggggcggg gtgcgtcaga atgtgatggg ctccagcatt gatggctgcc	3720
ccgtcctgcc cgcaaactct actacctga cctacgagac cgtgtctgga acgccgttgg	3780
agactgcagc ctccgccgcc gcttcagccg ctgcagccac cgcccgcggt attgtgactg	3840
actttgcttt cctgagcccg cttgcaagca gtgcagcttc ccgttcatcc gcccgcgatg	3900
acaagttgac ggctcttttg gcacaattgg attctttgac ccgggaactt aatgtcgttt	3960
ctcagcagct gttggatctg cgccagcagg tttctgccct gaaggcttcc tccccccca	4020
atgcggttta aaacataaat aaaaaaccag actctgtttg gatttggatc aagcaagtgt	4080
cttgctgtct ttatttaggg gttttgcgcg cgcggtaggc ccgggaccag cgggtctcgt	4140
cgttgaggg cctgtgtatt ttttccagga cgtggtaaag gtgactctgg atgttcagat	4200
acatgggcat aagcccgtct ctgggggtgga ggtagcacca ctgcagagct tcatgtgcg	4260
gggtggtgtt gtagatgatc cagtcgtagc aggagcgctg ggcgtggtgc ctaaaaatgt	4320
ctttcagtag caagctgatt gccaggggca ggcccttggg gtaagtgttt acaaagcgg	4380
taagctggga tgggtgcata cgtggggata tgagatgcat cttggactgt attttttaggt	4440
tggctatgtt ccagccata tcccccggt gattcatgtt gtgcagaacc accagcacag	4500
tgtatccggt gcacttggga aatttgtcat gtagcttaga aggaaatgcg tggagaact	4560
tggagacgcc cttgtgacct ccaagattht ccatgcattc gtccataatg atggcaatgg	4620

gcccacgggc	ggcggcctgg	gcgaagatat	ttctgggata	actaacgtca	tagttgtggt	4680
ccaggatgag	atcgtcatag	gccattttta	caaagcgcg	gcggaggggtg	ccagactgcg	4740
gtataatggt	tccatccggc	ccaggggcbt	agttaccctc	acagatttgc	atttcccacg	4800
ctttgagttc	agatgggggg	atcatgtcta	cctgcggggc	gatgaagaaa	acggtttccg	4860
gggtagggga	gatcagctgg	gaagaaagca	ggttcctgag	cagctgcgac	ttaccgcagc	4920
cggtagggccc	gtaaatcaca	cctattaccg	ggtgcaactg	gtagttaaga	gagctgcagc	4980
tgccgtcatc	cctgagcagg	ggggccactt	cgttaagcat	gtccctgact	cgcattgttt	5040
ccctgaccaa	atccgccaga	aggcgctcgc	cggccagcga	tagcagttct	tgcaaggaag	5100
caaagttttt	caacggtttg	agaccgtccg	ccgtaggcat	gcttttgagc	gtttgaccaa	5160
gcagttccag	gcgggtccac	agctcgggtc	cctgctctac	ggcatctcga	tccagcatat	5220
ctcctcgttt	cgcgggttgg	ggcggtcttc	gctgtacggc	agtagtcggt	gctcgtccag	5280
acgggccagg	gtcatgtctt	tccacgggcb	cagggtcctc	gtcagcgtag	tctgggtcac	5340
ggtgaagggg	tgcgctccgg	gctgcgcgct	ggccaggggtg	cgttgaggc	tggtcctgct	5400
ggtgctgaag	cgctgccggt	cttcgccctg	cgcgtcggcc	aggtagcatt	tgaccatggt	5460
gtcatagtcc	agccccctcc	cggcggtggc	cttgggcgcb	agcttgccct	tggaggaggc	5520
gccgcacgag	gggcagtgca	gacttttgag	ggcgtagagc	ttggggcgca	gaaataccga	5580
ttccggggag	taggcattcc	cggcgagggc	cccgcagacg	gtctcgcatt	ccacgagcca	5640
ggtgagctct	ggccgttcgg	ggtcaaaaac	cagggttccc	ccatgctttt	tgatgcgttt	5700
cttacctctg	gtttccatga	gccgggtgtc	acgctcgggtg	acgaaaaggc	tgtccgtgtc	5760
cccgtataca	gacttgagag	gcctgtcctc	gagcgggtgt	ccgcggtcct	cctcgtatag	5820
aaactcggac	cactctgaga	caaaggctcg	cgtccaggcc	agcacgaagg	aggctaagtg	5880
ggaggggtag	cggtcgttgt	ccactagggg	gtccactcgc	tccaggggtg	gaagacacat	5940
gtcgccctct	tggcatcaa	ggaagggtgat	tggtttgtag	gtgtaggcca	cgtgaccggg	6000
tgttcctgaa	ggggggctat	aaaagggggg	gggggcgcgt	tcgtcctcac	tctcttcgcb	6060
atcgctgtct	gcgagggcca	gctggtgggg	tgagtactcc	ctctgaaaag	cgggcatgac	6120
ttctgcgcta	agattgtcag	tttccaaaaa	caggagggat	ttgatattca	cctggcccgc	6180
ggtgatgcct	ttgaggggtg	ccgcattccat	ctggtcagaa	aagacaatct	ttttgttgtc	6240
aagcttggtg	gcaaacgacc	cgtagagggc	gttgacagc	aacttggcga	tggagcgcag	6300
ggtttggttt	ttgtcgcgat	cggcgcgctc	cttgcccgcb	atgttttagct	gcacgtattc	6360
gcgcgcaacg	caccgccatt	cgggaaagac	ggtggtgcgc	tcgtcgggca	ccagggtcac	6420

gcgccaaccg	cggttggtgca	gggtgacaag	gtcaacgctg	gtggctacct	ctccgcgtag	6480
gcgctcgttg	gtccagcaga	ggcggccgcc	cttgcgcgag	cagaatggcg	gtaggggggtc	6540
tagctgcgtc	tcgtccgggg	ggtctgcgtc	cacggtaaag	accccgggca	gcaggcgcgc	6600
gtcgaagtag	tctatcttgc	atccttgcaa	gtctagcgcc	tgctgccatg	cgcgggcggc	6660
aagcgcgcgc	tcgtatgggt	tgagtggggg	accccatggc	atgggggtggg	tgagcgcgga	6720
ggcgtagcat	ccgcaaagt	cgtaaagcta	gaggggctct	ctgagtattc	caagatatgt	6780
agggtagcat	cttccaccgc	ggatgctggc	gcgcacgtaa	tcgtatagtt	cgtgcgaggg	6840
agcgaggagg	tcgggaccga	ggttgctacg	ggcgggctgc	tctgctcgga	agactatctg	6900
cctgaagatg	gcatgtgagt	tggatgatat	ggttgacgc	tggaagacgt	tgaagctggc	6960
gtctgtgaga	cctaccgcgt	cacgcacgaa	ggaggcgtag	gagtcgcgca	gcttggtgac	7020
cagctcggcg	gtgacctgca	cgtctagggc	gcagtagtcc	agggtttctt	tgatgatgtc	7080
atacttatcc	tgtccctttt	ttttccacag	ctcgcggttg	aggacaaact	cttcgcggtc	7140
tttcagtag	tcttgatcg	gaaacccgtc	ggcctccgaa	cggtaaagagc	ctagcatgta	7200
gaactgggtg	acggcctggg	aggcgcagca	tcccttttct	acgggtagcg	cgtatgcctg	7260
cgcggccttc	cggagcgagg	tgtgggtgag	cgcaaagggtg	tccctgacca	tgactttgag	7320
gtactgggat	ttgaagtcag	tgtcgtcgca	tccgccctgc	tcccagagca	aaaagtccgt	7380
gcgctttttg	gaacgcggat	ttggcagggc	gaagggtgaca	tcgttgaaga	gtatctttcc	7440
cgcgcgaggc	ataaagttgc	gtgtgatgcg	gaagggtccc	ggcacctcgg	aacggttggt	7500
aattacctgg	gcggcgagca	cgatctcgtc	aaagccggtg	atgttggtggc	ccacaatgta	7560
aagttccaag	aagcgcggga	tgcccttgat	ggaaggcaat	tttttaagtt	cctcgtaggt	7620
gagctcttca	ggggagctga	gcccgtgctc	tgaaagggcc	cagtctgcaa	gatgaggggt	7680
ggaagcgacg	aatgagctcc	acaggtcacg	ggccattagc	atttgcaggt	ggtcgcgaaa	7740
ggctcctaaac	tggcgacct	tggccatttt	ttctgggggtg	atgcagtaga	aggtaagcgg	7800
gtcttggtcc	cagcgggtccc	atccaagggt	cgcggctagg	tctcgcgcgg	cagtcactag	7860
aggctcatct	ccgccgaact	tcatgaccag	catgaagggc	acgagctgct	tcccaaaggc	7920
ccccatccaa	gtataggtct	ctacatcgta	ggtgacaaaag	agacgctcgg	tgcgaggatg	7980
cgagccgatc	gggaagaact	ggatctcccg	ccaccaattg	gaggagtggc	tattgatgtg	8040
gtgaaagtag	aagtcctgc	gacggggccga	acactcgtgc	tggcttttgt	aaaaacgtgc	8100
gcagtactgg	cagcgggtgca	cgggctgtac	atcctgcacg	agggtgacct	gacgaccgcg	8160

cacaaggaag	cagagtggga	atttgagccc	ctcgctggc	gggtttggct	ggtggtcttc	8220
tacttcggct	gcttgtcctt	gaccgtcttg	ctgctcgagg	ggagttacgg	tggatcggac	8280
caccacgccg	cgcgagccca	aagtccagat	gtccgcgcgc	ggcggtcgga	gcttgatgac	8340
aacatcgcgc	agatgggagc	tgtccatggt	ctggagctcc	cgcggcgtca	ggtcaggcgg	8400
gagctcctgc	aggtttacct	cgcatagacg	ggtcagggcg	ggggctagat	ccaggtgata	8460
cctaatttcc	aggggctggt	tgggtggcggc	gtcgatggct	tgcaagaggc	cgcatccccg	8520
cggcgcgact	acggtaccgc	gcggcggggcg	gtgggccgcg	ggggtgtcct	tggatgatgc	8580
atctaaaagc	ggtgacgcgg	gcgagcccc	ggaggtaggg	ggggctccgg	acccgccggg	8640
agagggggca	ggggcacgtc	ggcgccgcgc	gcgggcagga	gctggtgctg	cgcgcgtagg	8700
ttgctggcga	acgcgacgac	gcggcggttg	atctcctgaa	tctggcgctt	ctgctggaag	8760
acgacggggc	cggtgagctt	gagcctgaaa	gagagttcga	cagaatcaat	ttcgggtgtcg	8820
ttgacggcgg	cctggcgcaa	aatctcctgc	acgtctcctg	agttgtcttg	ataggcgatc	8880
tcggccatga	actgctcgat	ctcttcctcc	tggagatctc	cgctccggc	tcgctccacg	8940
gtggcggcga	ggtcgttgga	aatgcggggc	atgagctgcg	agaaggcggt	gaggcctccc	9000
tcgttccaga	cgcggtgta	gaccacgccc	ccttcggcat	cgcgggcgcg	catgaccacc	9060
tgcgcgagat	tgagctccac	gtgccggggc	aagacggcgt	agtttcgcag	gcgctgaaag	9120
aggtagttag	gggtggtggc	ggtgtgttct	gccacgaaga	agtacataac	ccagcgtcgc	9180
aacgtggatt	cgttgatata	ccccaggcc	tcaaggcgct	ccatggcctc	gtagaagtcc	9240
acggcggaagt	tgaaaaactg	ggagttgcgc	gccgacacgg	ttaactcctc	ctccagaaga	9300
cggatgagct	cggcgacagt	gtcgcgacac	tcgcgctcaa	aggctacagg	ggcctcttct	9360
tcttcttcaa	tctcctcttc	cataagggcc	tccccttctt	cttcttcttg	cggcgggtggg	9420
ggaggggggga	cacggcgggc	acgacggcgc	accgggaggc	ggtcgacaaa	gcgctcgatc	9480
atctccccgc	ggcgacggcg	catggtctcg	gtgacggcgc	ggccgttctc	gcgggggcgc	9540
agttggaaga	cgccgcccgt	catgtcccgg	ttatgggttg	gcggggggct	gccatgcggc	9600
agggatacgg	cgctaacgat	gcctctcaac	aattgttggt	taggtactcc	gccgccgagg	9660
gacctgagcg	agtccgcata	gaccggatcg	gaaaacctct	cgagaaaggc	gtctaaccag	9720
tcacagtcgc	aaggtaggct	gagcaccgtg	gcgggcggca	gcgggcggcg	gtcgggggtg	9780
tttctggcgg	aggtgctgct	gatgatgtaa	ttaaagtagg	cggctcttgag	acggcgggatg	9840
gtcgacagaa	gcaccatgtc	cttgggtccg	gcctgctgaa	tgcgcaggcg	gtcggccatg	9900
ccccaggctt	cgttttgaca	tcggcgcagg	tctttgtagt	agtcttgcat	gagcctttct	9960

accggcactt	cttcttctcc	tctctcttgt	cctgcatctc	ttgcatctat	cgctgcggcg	10020
gcggeggagt	ttggccgtag	gtggcgccct	cttctctcca	tgcgtgtgac	cccgaagccc	10080
ctcatcggct	gaagcagggc	taggtcggcg	acaacgcgct	cggctaatat	ggcctgctgc	10140
acctgcgtga	gggtagactg	gaagtcatcc	atgtccacaa	agcggtggtg	tgcgcccgtg	10200
ttgatgggtg	aagtgcagtt	ggccataacg	gaccagttaa	cggctctggtg	acccggctgc	10260
gagagctcgg	tgtacctgag	acgcgagtaa	gccctcgagt	caaatacgta	gtcgttgcaa	10320
gtccgcacca	ggtactggta	tcccaccaaa	aagtgcggcg	gcggctggcg	gtagaggggc	10380
cagcgtaggg	tggccggggc	tccggggggcg	agatcttcca	acataaggcg	atgatatccg	10440
tagatgtacc	tggacatcca	ggtgatgccg	gcggcggttg	tggaggcgcg	cggaaagtcg	10500
cggacgcggt	tccagatggt	gcgcagcggc	aaaaagtgtc	ccatggtcgg	gacgctctgg	10560
ccggtcaggc	gcgcgcaatc	gttgacgctc	tagaccgtgc	aaaaggagag	cctgtaagcg	10620
ggcactcttc	cgtggtctgg	tggataaatt	cgcaagggtg	tcatggcgga	cgaccgggggt	10680
tcgagccccg	tatccggccg	tccgcggtga	tccatgcggt	taccgcccgc	gtgtcgaacc	10740
caggtgtgcg	acgtcagaca	acgggggaggt	gtctcttttg	gcttccttcc	aggcgcgggcg	10800
gctgctgctc	tagctttttt	ggccactggc	cgcgcgcgagc	gtaagcggtt	aggctggaaa	10860
gcgaaagcat	taagtggctc	gctccctgta	gccggaggggt	tattttccaa	gggttgagtc	10920
gcgggacccc	cggttcgagt	ctcggaccgg	ccggactgctg	gcgaacgggg	gtttgcctcc	10980
ccgtcatgca	agaccccgtc	tgcaaatcc	tccggaaaaca	gggacgagcc	ccttttttgc	11040
ttttcccaga	tgcacccggt	gctgcggcag	atgcgcccc	ctcctcagca	gcggcaagag	11100
caagagcagc	ggcagacatg	cagggcaccc	tcccctcctc	ctaccgcgtc	aggagggggcg	11160
acatccgcgg	ttgacgcggc	agcagatggt	gattacgaac	ccccgcggcg	ccgggcccgg	11220
cactacctgg	acttgaggga	gggcgagggc	ctggcgcggc	taggagcgcc	ctctcctgag	11280
cggtagccaa	gggtgcagct	gaagcgtgat	acgcgtgagg	cgtacgtgcc	gcggcagaac	11340
ctgtttcgcg	accgcgaggg	agaggagccc	gaggagatgc	gggatcgaaa	gttccacgca	11400
gggcgcgagc	tgcggcatgg	cctgaatcgc	gagcggttgc	tgcgcgagga	ggactttgag	11460
cccgcgcgc	gaaccgggat	tagtcccgcg	cgcgcacacg	tggcggccgc	cgacctggtg	11520
accgcatacg	agcagacggt	gaaccaggag	attaactttc	aaaaaagctt	taacaaccac	11580
gtgcgtacgc	ttgtggcgcg	cgaggaggtg	gctataggac	tgatgcatct	gtgggacttt	11640
gtaagcgcg	tggagcaaaa	cccaaatagc	aagccgctca	tggcgcgagct	gttccttata	11700

gtgcagcaca	gcagggacaa	cgaggcattc	agggatgcgc	tgctaaacat	agtagagccc	11760
gagggccgct	ggctgctcga	tttgataaac	atcctgcaga	gcatagtggg	gcaggagcgc	11820
agcttgagcc	tggtgacaa	ggtggccgcc	atcaactatt	ccatgcttag	cctgggcaag	11880
ttttacgccc	gcaagatata	ccatacccct	tacgttccca	tagacaagga	ggtaaagatc	11940
gaggggttct	acatgcgcac	ggcgctgaag	gtgcttacct	tgagcgacga	cctgggcggt	12000
tatcgcaacg	agcgcatcca	caaggccgtg	agcgtgagcc	ggcggcgcgga	gctcagcgac	12060
cgcgagctga	tgacacgcct	gcaaagggcc	ctggctggca	cgggcagcgg	cgatagagag	12120
gccgagtcct	actttgacgc	gggcgctgac	ctgcgctggg	ccccaagccg	acgcgccctg	12180
gaggcagctg	gggccggacc	tgggctggcg	gtggcacccg	cgcgcgctgg	caacgtcggc	12240
ggcgtggagg	aatatgacga	ggacgatgag	tacgagccag	aggacggcga	gtactaagcg	12300
gtgatgtttc	tgatcagatg	atgcaagacg	caacggaccc	ggcgggtcgg	gcggcgctgc	12360
agagccagcc	gtccggcctt	aactccacgg	acgactggcg	ccaggtcatg	gaccgcatca	12420
tgtcgctgac	tgcgcgcaat	cctgacgcgt	tccggcagca	gccgcaggcc	aaccggctct	12480
ccgcaattct	ggaagcgggtg	gtcccggcgc	gcgcaaacc	cacgcacgag	aaggtgctgg	12540
cgatcgtaaa	cgcgctggcc	gaaaacaggg	ccatccggcc	cgacgaggcc	ggcctgggtct	12600
acgacgcgct	gcttcagcgc	gtggctcggt	acaacagcgg	caacgtgcag	accaacctgg	12660
accggctggg	gggggatgtg	cgcgaggccg	tggcgagcgc	tgagcgcgcg	cagcagcagg	12720
gcaacctggg	ctccatgggt	gcactaaacg	ccttcctgag	tacacagccc	gccaacgtgc	12780
cgcgggggaca	ggaggactac	accaactttg	tgagcgcaact	gcggctaata	gtgactgaga	12840
caccgcaaag	tgaggtgtac	cagtctgggc	cagactatct	tttccagacc	agtagacaag	12900
gcctgcagac	cgtaaacttg	agccaggctt	tcaaaaactt	gcaggggctg	tgggggggtgc	12960
gggctccac	aggcgaccgc	gcgaccgtgt	ctagcttgct	gacgcccac	tcgcgcctgt	13020
tgctgctgct	aatagcgccc	ttcacggaca	gtggcagcgt	gtcccgggac	acatacctag	13080
gtcacttgct	gacactgtac	cgcgaggcca	taggtcaggc	gcatgtggac	gagcatactt	13140
tccaggagat	tacaagtgtc	agccgcgcgc	tggggcagga	ggacacgggc	agcctggagg	13200
caaccctaaa	ctacctgctg	accaaccggc	ggcagaagat	cccctcgctt	cacagtttaa	13260
acagcgagga	ggagcgcat	ttgcgctacg	tgacgacgag	cgtgagcctt	aacctgatgc	13320
gcgacggggg	aacgcccagc	gtggcgctgg	acatgaccgc	gcgcaacatg	gaaccgggca	13380
tgtatgcctc	aaaccggccg	tttatcaacc	gcctaattga	ctacttgcat	cgcgcgcccg	13440
ccgtgaaccc	cgagtatttc	accaatgcca	tcttgaaccc	gcactggcta	ccgccccctg	13500

gtttctacac	cgggggattc	gaggtgcccg	agggtaacga	tggattcctc	tgggacgaca	13560
tagacgacag	cgtgttttcc	cgcgaaccgc	agaccctgct	agagttgcaa	cagcgcgagc	13620
aggcagaggg	ggcgctgcga	aaggaaagct	tccgcaggcc	aagcagcttg	tccgatctag	13680
gcgctgcggc	cccgcggtca	gatgctagta	gccatttcc	aagcttgata	gggtctctta	13740
ccagcactcg	caccaccgcg	cgcgcctgc	tgggcgagga	ggagtaccta	aacaactcgc	13800
tgctgcagcc	gcagcgcgaa	aaaaacctgc	ctccggcatt	tccaacaac	gggatagaga	13860
gcctagtggg	caagatgagt	agatggaaga	cgtacgcgca	ggagcacagg	gacgtgccag	13920
gcccgcgccc	gcccaccctg	cgtcaaaggc	acgaccgtca	gcggggtctg	gtgtgggagg	13980
acgatgactc	ggcagacgac	agcagcgctc	tggatttggg	agggagtggc	aaccggtttg	14040
cgcaccttcg	ccccaggctg	gggagaatgt	tttaaaaaaa	aaaaagcatg	atgcaaaata	14100
aaaaactcac	caaggccatg	gcaccgagcg	ttggttttct	tgtattcccc	ttagtatgcg	14160
gcgcgcggcg	atgtatgagg	aaggtcctcc	tccctcctac	gagagtgtgg	tgagcgcggc	14220
gccagtggcg	gcggcgctgg	gttctccctt	cgatgctccc	ctggaccgcg	cgtttgtgcc	14280
tccgcggtac	ctgcggccta	ccgggggggag	aaacagcatc	cgttactctg	agttggcacc	14340
cctattcgac	accaccctg	tgtacctggt	ggacaacaag	tcaacggatg	tggcatccct	14400
gaactaccag	aacgaccaca	gcaactttct	gaccacggtc	attcaaaaca	atgactacag	14460
cccgggggag	gcaagcacac	agaccatcaa	tcttgacgac	cggtcgcact	ggggcggcga	14520
cctgaaaacc	atcctgcata	ccaacatgcc	aaatgtgaac	gagttcatgt	ttaccaataa	14580
gtttaaggcg	cgggtgatgg	tgtcgcgctt	gcctactaag	gacaatcagg	tggagctgaa	14640
atacgagtgg	gtggagttca	cgctgcccga	gggcaactac	tccgagacca	tgaccataga	14700
ccttatgaac	aacgcgatcg	tggagcacta	cttgaaagtg	ggcagacaga	acgggggttct	14760
ggaaagcgac	atcggggtaa	agtttgacac	ccgcaacttc	agactggggg	ttgacccctg	14820
cactggtctt	gtcatgcctg	gggtatatac	aaacgaagcc	ttccatccag	acatcatttt	14880
gctgccagga	tgcggggtgg	acttcaccca	cagccgcctg	agcaacttgt	tgggcatccg	14940
caagcggcaa	cccttccagg	agggttttag	gatcacctac	gatgatctgg	agggtggtaa	15000
cattcccgcg	ctgttgatg	tggacgccta	ccaggcgagc	ttgaaagatg	acaccgaaca	15060
gggcgggggt	ggcgcgaggc	gcagcaacag	cagtggcagc	ggcgcggaag	agaactccaa	15120
cgcggcgagc	gcggcaatgc	agccggtgga	ggacatgaac	gatcatgcca	ttcgcggcga	15180
cacctttgcc	acacgggctg	aggagaagcg	cgctgaggcc	gaagcagcgg	ccgaagctgc	15240

cgcccccgct	gcgcaacccg	aggtegagaa	gcctcagaag	aaaccggtga	tcaaaccct	15300
gacagaggac	agcaagaaac	gcagttacaa	cctaataagc	aatgacagca	ccttcacca	15360
gtaccgcagc	tggtaccttg	catacaacta	cggcgaccct	cagaccggaa	tccgctcatg	15420
gaccctgctt	tgcactcctg	acgtaacctg	cggctcggag	caggtctact	ggtcgttgcc	15480
agacatgatg	caagaccccc	tgaccttccg	ctccacgcgc	cagatcagca	actttccggt	15540
ggtgggcgcc	gagctgttgc	ccgtgcactc	caagagcttc	tacaacgacc	aggccgtcta	15600
ctcccaactc	atccgccagt	ttacctctct	gacccacgtg	ttcaatcgct	ttcccgagaa	15660
ccagattttg	gcgcgccccg	cagccccac	catcaccacc	gtcagtgaag	acgttctctg	15720
tctcacagat	cacgggacgc	taccgctgcg	caacagcatc	ggaggagtcc	agcgagtgc	15780
cattactgac	gccagacgcc	gcacctgccc	ctacgtttac	aaggccctgg	gcatagtctc	15840
gccgcgcgtc	ctatcgagcc	gcactttttg	agcaagcatg	tccatcctta	tatcgcccag	15900
caataacaca	ggctggggcc	tgcgcttccc	aagcaagatg	tttggcgggg	ccaagaagcg	15960
ctccgaccaa	caccagtgcc	gcgtgcgcgg	gcactaccgc	gcgccctggg	gcgcgcacaa	16020
acgcggccgc	actggggcga	ccaccgtcga	tgacgccatc	gacgcggtgg	tggaggaggc	16080
gcgcaactac	acgcccacgc	cgccaccagt	gtccacagtg	gacgcggcca	ttcagaccgt	16140
ggtgcgcgga	gcccggcgct	atgctaaaat	gaagagacgg	cggaggcgcg	tagcacgtcg	16200
ccaccgccgc	cgaccgggca	ctgccgccc	acgcgcggcg	gcggccctgc	ttaaccgcgc	16260
acgtcgcacc	ggccgacggg	cggccatgcg	ggccgctcga	aggctggccg	cgggtattgt	16320
cactgtgccc	cccaggtcca	ggcgacgagc	ggccgccgca	gcagccgcgg	ccattagtgc	16380
tatgactcag	ggtcgcaggg	gcaacgtgta	ttgggtgcgc	gactcggtta	gcggcctgcg	16440
cgtgcccgtg	cgcaccgcc	ccccgcgcaa	ctagattgca	agaaaaaact	acttagactc	16500
gtactgttgt	atgtatccag	cggcggcggc	gcgcaacgaa	gctatgtcca	agcgcaaaat	16560
caaagaagag	atgctccagg	tcacgcgcgc	ggagatctat	ggccccccga	agaaggaaga	16620
gcaggattac	aagccccgaa	agctaaagcg	ggtcaaaaag	aaaaagaaag	atgatgatga	16680
tgaacttgac	gacgaggtgg	aactgctgca	cgctaccgcg	cccaggcgac	gggtacagtg	16740
gaaaggctga	cgcgtaaaac	gtgttttgcg	acccggcacc	accgtagtct	ttacgcccgg	16800
tgagcgctcc	acccgcacct	acaagcgcgt	gtatgatgag	gtgtacggcg	acgaggacct	16860
gcttgagcag	gccaacgagc	gcctcgggga	gtttgcctac	ggaaagcggc	ataaggacat	16920
gctggcgctg	ccgctggacg	agggcaaccc	aacacctagc	ctaaagcccc	taacactgca	16980
gcagggtgctg	cccgcgcttg	caccgtccga	agaaaagcgc	ggcctaaagc	gcgagtctgg	17040

tgacttggca	cccacgtgc	agctgatggt	acccaagcgc	cagcgactgg	aagatgtctt	17100
ggaaaaaatg	accgtggaac	ctgggctgga	gcccagaggtc	cgcgtagcggc	caatcaagca	17160
ggtggcgccg	ggactgggcg	tgcagaccgt	ggacgttcag	atacccta	ccagtagcac	17220
cagtattgcc	accgccacag	agggcatgga	gacacaaacg	tccccggttg	cctcagcggg	17280
ggcggtatgcc	gcggtgcagg	cggtcgctgc	ggccgcgtcc	aagacctcta	cggaggtgca	17340
aacggacccg	tggatgtttc	gcgtttcagc	cccccggcgc	ccgcgcgggt	cgaggaagta	17400
cggcgcgcgc	agcgcgtac	tgcgcgaata	tgcctacat	ccttcattg	cgcctacccc	17460
cggctatcgt	ggctacacct	accgccccag	aagacgagca	actaccgac	gccgaaccac	17520
cactggaacc	cgccgcgcgc	gtcgccgtcg	ccagcccgtg	ctggccccga	tttccgtgcg	17580
caggggtggct	cgcaaggag	gcaggaccct	ggtgctgcca	acagcgcgct	accaccccag	17640
catcgtttaa	aagccggctt	ttgtggttct	tgcagatatg	gccctcacct	gccgcctccg	17700
tttcccgggtg	ccgggattcc	gaggaagaat	gcaccgtagg	aggggcatgg	ccggccacgg	17760
cctgacgggc	ggcatgcgtc	gtgcgcacca	ccggcggcgc	cgcgcgctgc	accgtcgcat	17820
gcgcggcggt	atcctgcccc	tccttattcc	actgatcgcc	gcggcgattg	gcgccgtgcc	17880
cggaattgca	tccgtggcct	tgcaggcgca	gagacactga	ttaaaaacaa	gttgcatgtg	17940
gaaaaatcaa	aataaaaagt	ctggactctc	acgctcgctt	ggtcctgtaa	ctattttgta	18000
gaatggaaga	catcaacttt	gcgtctctgg	ccccgcgaca	cggctcgcg	ccgttcattg	18060
gaaactggca	agatatcggc	accagcaata	tgagcggtgg	cgcttcagc	tggggctcgc	18120
tgtggagcgg	cattaaaaat	ttcggttcca	ccgttaagaa	ctatggcagc	aaggcctgga	18180
acagcagcac	aggccagatg	ctgagggata	agttgaaaga	gcaaaatttc	caacaaaagg	18240
tggtagatgg	cctggcctct	ggcattagcg	gggtggtgga	cctggccaac	caggcagtgc	18300
aaaataagat	taacagtaag	cttgatcccc	gccctcccgt	agaggagcct	ccaccggccg	18360
tggagacagt	gtctccagag	gggcgtggcg	aaaagcgctc	gcgccccgac	agggaagaaa	18420
ctctggtgac	gcaaatagac	gagcctccct	cgtacagagga	ggcactaaag	caaggcctgc	18480
ccaccacccg	tcccatcgcg	cccatggcta	ccggagtgtc	gggccagcac	acaccgtaa	18540
cgttggacct	gcctcccccc	gccgacaccc	agcagaaacc	tgtgctgcca	ggccccgaccg	18600
ccgttggtgt	aaccgcctct	agccgcgcgt	ccctgcgcgc	cgccgccagc	ggtccgcgat	18660
cgttgcggcc	cgtagccagt	ggcaactggc	aaagcacact	gaacagcatc	gtgggtctgg	18720
gggtgcaatc	cctgaagcgc	cgacgatgct	tctgaatagc	taacgtgtcg	tatgtgtgtc	18780

atgtatgcgt	ccatgtcgcc	gccagaggag	ctgctgagcc	gccgcgcgcc	cgctttccaa	18840
gatggctacc	ccttcgatga	tgccgcagtg	gtcttacatg	cacatctcgg	gccaggacgc	18900
ctcggagtac	ctgagccccg	ggctgggtgca	gtttgcccgc	gccaccgaga	cgtacttcag	18960
cctgaataac	aagtttagaa	accccacggt	ggcgcctacg	cacgacgtga	ccacagaccg	19020
gtcccagcgt	ttgacgctgc	ggttcatccc	tgtggaccgt	gaggatactg	cgtactcgta	19080
caaggcgcgg	ttcacccctag	ctgtgggtga	taaccgtgtg	ctggacatgg	cttcacgta	19140
ctttgacatc	cgcggcgtgc	tggacagggg	ccctactttt	aagccctact	ctggcactgc	19200
ctacaacgcc	ctggctccca	agggtgcccc	aaatccttgc	gaatgggatg	aagctgctac	19260
tgctcttgaa	ataaacctag	aagaagagga	cgatgacaac	gaagacgaag	tagacgagca	19320
agctgagcag	caaaaaactc	acgtatttgg	gcaggcgccct	tattctggta	taaatattac	19380
aaaggagggt	attcaaatag	gtgtcgaagg	tcaaacacct	aaatatgccg	ataaaacatt	19440
tcaacctgaa	cctcaaatag	gagaatctca	gtggtacgaa	actgaaatta	atcatgcagc	19500
tgggagagtc	cttaaaaaga	ctaccccaat	gaaaccatgt	tacggttcat	atgcaaaacc	19560
cacaaatgaa	aatggagggc	aaggcattct	tgtaaagcaa	caaaatggaa	agctagaaag	19620
tcaagtggaa	atgcaatttt	tctcaactac	tgaggcgacc	gcaggcaatg	gtgataactt	19680
gactcctaaa	gtggtattgt	acagtgaaga	tgtagatata	gaaaccccag	acactcatat	19740
ttcttacatg	cccactatta	aggaaggtaa	ctcacgagaa	ctaatgggcc	aacaatctat	19800
gcccacacagg	cctaattaca	ttgcttttag	ggacaatttt	attggtctaa	tgtattacaa	19860
cagcacgggt	aatatgggtg	ttctggcggg	ccaagcatcg	cagttgaatg	ctgttgtaga	19920
tttgcaagac	agaaacacag	agctttcata	ccagcttttg	cttgattcca	ttggtgatag	19980
aaccaggtag	ttttctatgt	ggaatcaggc	tggtgacagc	tatgatccag	atgttagaat	20040
tattgaaaat	catggaactg	aagatgaact	tccaaattac	tgctttccac	tgggaggtgt	20100
gattaataca	gagactctta	ccaaggtaaa	acctaaaaca	ggtcaggaaa	atggatggga	20160
aaaagatgct	acagaatttt	cagataaaaa	tgaaataaga	gttggaataa	attttgccat	20220
ggaaatcaat	ctaaatgccca	acctgtggag	aaatttcctg	tactccaaca	tagcgctgta	20280
tttgcccgcac	aagctaaagt	acagtccttc	caacgtaaaa	atttctgata	acccaaacac	20340
ctacgactac	atgaacaagc	gagtgggtggc	tcccgggtta	gtggactgct	acattaacct	20400
tggagcacgc	tgggtccctg	actatatgga	caacgtcaac	ccatttaacc	accaccgcaa	20460
tgctggcctg	cgctaccgct	caatgttgct	gggcaatggt	cgctatgtgc	ccttccacat	20520
ccaggtgcct	cagaagttct	ttgccattaa	aaacctcctt	ctcctgccgg	gctcatacac	20580

ctacgagtgg	aacttcagga	aggatgttaa	catggttctg	cagagctccc	taggaaatga	20640
cctaaggggt	gacggagcca	gcattaagtt	tgatagcatt	tgcttttacg	ccaccttctt	20700
ccccatggcc	cacaacaccg	cctccacgct	tgaggccatg	cttagaaacg	acaccaacga	20760
ccagtccttt	aacgactatc	tctccgccc	caacatgctc	taccctatac	ccgccaacgc	20820
taccaacgtg	cccatatcca	tccccctccg	caactgggcg	gctttccgcg	gctgggcctt	20880
cacgcgctt	aagactaagg	aaaccccatc	actgggctcg	ggctacgacc	cttattacac	20940
ctactctggc	tctataccct	acctagatgg	aaccttttac	ctcaaccaca	cctttaagaa	21000
ggtggccatt	acctttgact	cttctgtcag	ctggcctggc	aatgaccgcc	tgcttacccc	21060
caacgagttt	gaaattaagc	gctcagttga	cggggagggg	tacaacgttg	cccagtgtaa	21120
catgaccaa	gactggttcc	tggtacaaat	gctagctaac	tacaacattg	gctaccaggg	21180
cttctatatc	ccagagagct	acaaggaccg	catgtactcc	ttcttttagaa	acttccagcc	21240
catgagccgt	caggtggtgg	atgatactaa	atacaaggac	taccaacagg	tgggcctcct	21300
acaccaacac	aacaactctg	gatttggttg	ctaccttgcc	cccaccatgc	gcgaaggaca	21360
ggcctaccct	gctaacttcc	cctatccgct	tataggcaag	accgcagttg	acagcattac	21420
ccagaaaaag	tttctttgcg	atcgccacct	ttggcgcatc	ccattctcca	gtaactttat	21480
gtccatgggc	gcactcacag	acctgggcca	aaaccttctc	tacgccaact	ccgcccacgc	21540
gctagacatg	acttttgagg	tggatcccat	ggacgagccc	acccttcttt	atgttttggt	21600
tgaagtcttt	gacgtggtcc	gtgtgcaccg	gccgcaccgc	ggcgtcatcg	aaaccgtgta	21660
cctgcgcacg	cccttctcgg	ccggcaacgc	cacaacataa	agaagcaagc	aacatcaaca	21720
acagctgccg	ccatgggctc	cagtgagcag	gaactgaaag	ccattgtcaa	agatcttggt	21780
tgtggggcat	attttttggg	cacctatgac	aagcgctttc	caggctttgt	ttctccacac	21840
aagctcgcct	gcgccatagt	caatacggcc	ggtcgcgaga	ctggggggcg	acactggatg	21900
gcctttgcct	ggaacccgca	ctcaaaaaca	tgctacctct	ttgagccctt	tggtttttct	21960
gaccagcgac	tcaagcaggt	ttaccagttt	gagtacgagt	cactcctgcg	ccgtagcgcc	22020
attgcttctt	cccccgaccg	ctgtataacg	ctggaaaagt	ccacccaaag	cgtacagggg	22080
cccaactcgg	ccgcctgtgg	actattctgc	tgcatgtttc	tccacgcctt	tgccaactgg	22140
ccccaaaactc	ccatgggatca	caacccacc	atgaacctta	ttaccggggg	acccaactcc	22200
atgctcaaca	gtccccaggt	acagcccacc	ctgcgtcgca	accaggaaca	gctctacagc	22260
ttcctggagc	gccactcgcc	ctacttccgc	agccacagtg	cgcagattag	gagcgccact	22320

tctttttgtc	acttgaaaaa	catgtaaaaa	taatgtacta	gagacacttt	caataaaggc	22380
aaatgctttt	atttgtacac	tctcgggtga	ttatttacc	ccacccttgc	cgtctgcgcc	22440
gtttaaaaat	caaaggggtt	ctgcgcgcga	tcgctatgcg	ccactggcag	ggacacgttg	22500
cgatactgg	gttttagtgc	ccacttaa	tcaggcacia	ccatccgcgg	cagctcgggtg	22560
aagttttcac	tccacagggt	gcgccaccat	accaacgcgt	ttagcagggt	gggcgcgat	22620
atcttgaagt	cgcagttggg	gcctccgccc	tgcgcgcgcg	agttgcgata	cacaggggtg	22680
cagcactgga	acactatcag	cgccgggtgg	tgcacgctgg	ccagcacgct	cttgtcggag	22740
atcagatccg	cgtccagggt	ctccgcgttg	ctcagggcga	acggagtcaa	ctttggtagc	22800
tgccttccca	aaaagggcgc	gtgcccaggc	tttgagttgc	actcgcaccg	tagtggcatc	22860
aaaagggtgac	cgtgcccggg	ctgggcgtta	ggatacagcg	cctgcataaa	agccttgatc	22920
tgcttaaaag	ccacctgagc	ctttgcgcct	tcagagaaga	acatgccgca	agacttgccg	22980
gaaaaactgat	tggccggaca	ggccgcgctg	tgcacgcagc	accttgcgtc	ggtggtggag	23040
atctgcacca	catttcggcc	ccaccgggtt	ttcacgatct	tggccttget	agactgctcc	23100
ttcagcgcgc	gctgcccgtt	ttcgctcgtc	acatccattt	caatcacgtg	ctccttattt	23160
atcataatgc	ttccgtgtag	acacttaagc	tcgccttcga	tctcagcgca	gcggtgcagc	23220
cacaacgcgc	agcccgtggg	ctcgatgatc	ttgtagggtca	cctctgcaaa	cgactgcagg	23280
taagcctgca	ggaatcgccc	catcatcgtc	acaaagggtct	tggtgctggg	gaaggtcagc	23340
tgcaaccgcgc	ggtgctcctc	gttcagccag	gtcttgcata	cggccgcccag	agcttccact	23400
tggtcaggca	gtagtttgaa	gttcgccttt	agatcggttat	ccacgtggta	cttgtccatc	23460
agcgcgcgcg	cagcctccat	gcccttctcc	cacgcagaca	cgatcggcac	actcagcggg	23520
ttcatcaccg	taatttcact	ttccgcttcg	ctgggctctt	cctcttctct	ttgcgtccgc	23580
ataccacgcg	ccactgggtc	gtcttcattc	agccgcgcga	ctgtgcgctt	acctcctttg	23640
ccatgcttga	ttagcaccgg	tgggttgctg	aaaccaccca	tttgtagcgc	cacatcttct	23700
ctttcttctc	cgctgtccac	gattacctct	ggtgatggcg	ggcgctcggg	cttggggagaa	23760
gggcgccttct	ttttcttctt	gggcgcaatg	gccaaatccg	ccgccgaggt	cgatggccgc	23820
gggctgggtg	tgcgcggcac	cagcgcgtct	tgtgatgagt	cttctctcgt	ctcggactcg	23880
atacgccgcc	tcacccgctt	ttttgggggc	gcccggggag	gcccgggcga	cggggacggg	23940
gacgacacgt	cctccatggt	tgggggacgt	cgcgcgcac	cgcgtccgcg	ctcgggggtg	24000
gtttcgcgct	gctcctcttc	ccgactggcc	atttccttct	cctataggca	gaaaaagatc	24060
atggagtcag	tcgagaagaa	ggacagccta	accgccccct	ctgagttcgc	caccaccgcc	24120

tccaccgatg	ccgccaacgc	gcctaccacc	ttccccgtcg	aggcaccccc	gcttgaggag	24180
gaggaagtga	ttatcgagca	ggacccaggt	tttgtaagcg	aagacgacga	ggaccgctca	24240
gtaccaacag	aggataaaaa	gcaagaccag	gacaacgcag	aggcaaacga	ggaacaagtc	24300
gggcgggggg	acgaaaggca	tggcgactac	ctagatgtgg	gagacgacgt	gctggtgaag	24360
catctgcagc	gccagtgcgc	cattatctgc	gacgcgttgc	aagagcgagc	cgatgtgccc	24420
ctcgccatag	cggatgtcag	ccttgccctac	gaacgccacc	tattctcacc	gcgcgtaccc	24480
cccaaacgcc	aagaaaacgg	cacatgagag	cccaacccgc	gcctcaactt	ctaccccgta	24540
tttgccgtgc	cagaggtgct	tgccacctat	cacatctttt	tccaaaactg	caagataccc	24600
ctatcctgcc	gtgccaaccg	cagccgagcg	gacaagcagc	tggccttgcg	gcagggcgct	24660
gtcatacctg	atatcgcttc	gctcaacgaa	gtgccaaaaa	tctttgaggg	tcttgagcgc	24720
gacgagaagc	gcgcggcaaa	cgctctgcaa	caggaaaaca	gcgaaaatga	aagtcactct	24780
ggagtgttgg	tggaactcga	gggtgacaac	gcgcgcctag	ccgtactaaa	acgcagcatc	24840
gaggtcaccc	actttgccta	cccggcactt	aacctacccc	ccaagggtcat	gagcacagtc	24900
atgagtgagc	tgatcgtgcg	ccgtgcgcag	cccctggaga	gggatgcaaa	tttgcaagaa	24960
caaacagagg	agggcctacc	cgcagttggc	gacgagcagc	tagcgcgctg	gcttcaaacg	25020
cgcgagcctg	ccgacttgga	ggagcgacgc	aaactaatga	tggccgcagt	gctcgttacc	25080
gtggagcttg	agtgcattga	gcggttcttt	gctgacccgg	agatgcagcg	caagctagag	25140
gaaacattgc	actacacctt	tgcacagggc	tacgtacgcc	aggcctgcaa	gatctccaac	25200
gtggagctct	gcaacctggt	ctcctacctt	ggaattttgc	acgaaaaccg	ccttgggcaa	25260
aacgtgcttc	attccacgct	caagggcgag	gcgcgccgcg	actacgtccg	cgactgcggt	25320
tacttatctt	tatgctacac	ctggcagacg	gccatgggcg	tttggcagca	gtgcttgag	25380
gagtgcaacc	tcaaggagct	gcagaaactg	ctaaagcaaa	acttgaagga	cctatggacg	25440
gccttcaacg	agcgctccgt	ggccgcgcac	ctggcggaca	tcattttccc	cgaacgcctg	25500
cttaaaaccc	tgcaacaggg	tctgccagac	ttcaccagtc	aaagcatgtt	gcagaacttt	25560
aggaacttta	tcctagagcg	ctcaggaatc	ttgcccgcga	cctgctgtgc	acttcctagc	25620
gactttgtgc	ccattaagta	ccgcgaatgc	cctccgccgc	tttggggcca	ctgctacctt	25680
ctgcagctag	ccaactacct	tgcctaccac	tctgacataa	tggaagacgt	gagcggtgac	25740
ggtctactgg	agtgctactg	tcgctgcaac	ctatgcaccc	cgcaccgctc	cctgggttgc	25800
aattcgcagc	tgcttaacga	aagtcaaatt	atcggtacct	ttgagctgca	gggtccctcg	25860

cctgacgaaa	agtccgcggc	tccgggggtg	aaactcactc	cggggctgtg	gacgtcggct	25920
taccttcgca	aatttgtagc	tgaggactac	cacgcccacg	agattagggt	ctacgaagac	25980
caatccccgc	cgccaaatgc	ggagcttacc	gcctgcgtca	ttaccagagg	ccacattctt	26040
ggccaattgc	aagccatcaa	caaagcccgc	caagagtctc	tgctacgaaa	gggacggggg	26100
gtttacttgg	acccccagtc	cggcgaggag	ctcaacccaa	tcccccgcc	gccgcagccc	26160
tatcagcagc	agccgcgggc	ccttgcttcc	caggatggca	cccaaaaaga	agctgcagct	26220
gccgccgcca	cccacggacg	aggaggaata	ctgggacagt	caggcagagg	aggttttggg	26280
cgaggaggag	gaggacatga	tggaagactg	ggagagccta	gacgaggaag	cttcgaggtt	26340
cgaagaggtg	tcagacgaaa	caccgtcacc	ctcggtcgca	ttccctcgc	cggcgcccca	26400
gaaatcggca	accggttcca	gcatggctac	aacctccgct	cctcaggcgc	cgccggcact	26460
gcccgttcgc	cgacccaacc	gtagatggga	caccactgga	accagggccg	gtaagtccaa	26520
gcagccgccc	ccgttagccc	aagagcaaca	acagcgccaa	ggctaccgct	catggcgcg	26580
gcacaagaac	gccatagttg	cttgcttgca	agactgtggg	ggcaacatct	ccttcgcccc	26640
ccgctttctt	ctctaccatc	acggcggtgg	cttcccccg	aacatcctgc	attactaccg	26700
tcattctctac	agcccatact	gcaccggcgg	cagcggcagc	ggcagcaaca	gcagcggcca	26760
cacagaagca	aaggcgaccg	gatagcaaga	ctctgacaaa	gccaagaaa	tccacagcgg	26820
cggcagcagc	aggaggagga	gcgctgcgtc	tggcgcccaa	cgaaccctga	tcgaccgcgg	26880
agcttagaaa	caggatTTTT	cccactctgt	atgctatatt	tcaacagagc	aggggccaag	26940
aacaagagct	gaaaataaaa	aacagggtctc	tgcgatccct	caccgcgagc	tgctgtatc	27000
acaaaagcga	agatcagctt	cggcgcacgc	tggaagacgc	ggaggctctc	ttcagtaa	27060
actgcgcgct	gactcttaag	gactagtctt	gcgccttttc	tcaaatttaa	gcgcgaaaac	27120
tacgtcatct	ccagcggcca	caccgcgcgc	cagcacctgt	cgtcagcgcc	attatgagca	27180
aggaaattcc	cacgccctac	atgtggagtt	accagccaca	aatgggactt	gcggctggag	27240
ctgcccaga	ctactcaacc	cgaataaact	acatgagcgc	gggacccac	atgatatccc	27300
gggtcaacgg	aatccgcgcc	caccgaaacc	gaattctctt	ggaacaggcg	gctattacca	27360
ccacacctcg	taataacctt	aatccccgta	gttgccccgc	tgccctgggt	taccaggaaa	27420
gtcccgtctc	caccactgtg	gtacttccca	gagacgcccc	ggccgaagtt	cagatgacta	27480
actcaggggc	gcagcttgcg	ggcggttttc	gtcacagggt	gcggtcgccc	gggcagggtg	27540
taactcacct	gacaatcaga	gggcgaggta	ttcagctcaa	cgacgagtcg	gtgagctcct	27600
cgcttggtct	ccgtccggac	gggacatttc	agatcggcgg	cgccggccgt	ccttcattca	27660

cgctcgtca	ggcaatccta	actctgcaga	cctcgtcctc	tgagccgcgc	tctggaggca	27720
ttggaactct	gcaatttatt	gaggagtttg	tgccatcggg	ctactttaac	cccttctcgg	27780
gacctcccgg	ccactatccg	gatcaattta	ttcctaactt	tgacgcggta	aaggactcgg	27840
cggacgggta	cgactgaatg	ttaagtggag	aggcagagca	actgcgcctg	aaacacctgg	27900
tccactgtcg	ccgccacaag	tgctttgccc	gcgactccgg	tgagttttgc	tactttgaat	27960
tgcccgagga	tcatatcgag	ggcccggcgc	acggcgctccg	gcttaccgcc	cagggagagc	28020
ttgcccgtag	cctgattcgg	gagtttaacc	agcgccccct	gctagttgag	cgggacaggg	28080
gacctgtgt	tctcactgtg	atttgcaact	gtcctaacct	tggattacat	caagatcttt	28140
gttgccatct	ctgtgctgag	tataataaat	acagaaatta	aaatatactg	gggctcctat	28200
cgccatcctg	taaacgccac	cgtcttcacc	cgcccaagca	aaccaaggcg	aaccttacct	28260
ggctactttta	acatctctcc	ctctgtgatt	tacaacagtt	tcaaccagga	cggagtgagt	28320
ctacgagaga	acctctccga	gctcagctac	tccatcagaa	aaaacaccac	cctccttacc	28380
tgccgggaac	gtacgagtgc	gtcaccggcc	gctgcaccac	acctaccgcc	tgaccgtaaa	28440
ccagactttt	tccggacaga	cctcaataac	tctgtttacc	agaacaggag	gtgagcttag	28500
aaaaccctta	gggtattagg	ccaaaggcgc	agctactgtg	gggtttatga	acaattcaag	28560
caactctacg	ggctattcta	attcagggtt	ctctagaatc	ggggttgggg	ttattctctg	28620
tcttgtgatt	ctctttatcc	ttatactaac	gcttctctgc	ctaaggctcg	ccgctgctg	28680
tgtgcacatt	tgcatttatt	gtcagctttt	taaacgctgg	ggtcgccacc	caagatgatt	28740
aggtacataa	tcctaggttt	actcaccctt	gcgtcagccc	acggtaccac	ccaaaagggtg	28800
gatttttaagg	agccagcctg	taatgttaca	ttcgcagctg	aagctaataa	gtgcaccact	28860
cttataaaaat	gcaccacaga	acatgaaaag	ctgcttattc	gccacaaaaa	caaaattggc	28920
aagtatgctg	tttatgctat	ttggcagcca	ggtgacacta	cagagtataa	tgttacagtt	28980
ttccagggtg	aaagtcataa	aacttttatg	tatacttttc	catttttatga	aatgtgcgac	29040
attaccatgt	acatgagcaa	acagtataag	ttgtggcccc	cacaaaattg	tgtggaaaac	29100
actggcactt	tctgctgcac	tgctatgcta	attacagtgc	tcgctttggg	ctgtacccta	29160
ctctatatta	aatacaaaaag	cagacgcagc	tttattgagg	aaaagaaaat	gccttaattt	29220
actaagttac	aaagctaata	tcaccactaa	ctgctttact	cgctgcttgc	aaaacaaatt	29280
caaaaagtta	gcattataat	tagaatagga	tttaaaccct	ccggtcattt	cctgctcaat	29340
accattcccc	tgaacaattg	actctatgtg	ggatatgctc	cagcgctaca	accttgaagt	29400

caggcttcct	ggatgtcagc	atctgacttt	ggccagcacc	tgtcccgcgg	atttgttcca	29460
gtccaactac	agcgaccac	cctaacagag	atgaccaaca	caaccaacgc	ggccgccgct	29520
accggactta	catctaccac	aaatacacc	caagtttctg	cctttgtcaa	taactgggat	29580
aacttgggca	tgtggtggtt	ctccatagcg	cttatgtttg	tatgccttat	tattatgtgg	29640
ctcatctgct	gcctaaagcg	caaacgcgcc	cgaccaccca	tctatagtcc	catcattgtg	29700
ctacacccaa	acaatgatgg	aatccataga	ttggacggac	tgaaacacat	gttcttttct	29760
cttacagtat	gattaaatga	gacatgattc	ctcgagtttt	tatattactg	acccttggtg	29820
cgcttttttg	tgcgtgctcc	acattggctg	cggtttctca	catcgaagta	gactgcattc	29880
cagccttcac	agtctatttg	ctttacggat	ttgtcaccct	cacgctcatc	tgcagcctca	29940
tcactgtggt	catcgctttt	atccagtgc	ttgactgggt	ctgtgtgcgc	tttgcataatc	30000
tcagacacca	tccccagtac	aggacagga	ctatagctga	gcttcttaga	attctttaat	30060
tatgaaattt	actgtgactt	ttctgctgat	tatttgcacc	ctatctgcgt	tttgttcccc	30120
gacctccaag	cctcaaagac	atatatcatg	cagattcact	cgtatatgga	atattccaag	30180
ttgctacaat	gaaaaaagcg	atctttccga	agcctgggta	tatgcaatca	tctctgttat	30240
gggtgttctgc	agtaccatct	tagccctagc	tatatatccc	tacottgaca	ttggctggaa	30300
acgaatagat	gccatgaacc	acccaacttt	ccccgcgccc	gctatgcttc	cactgcaaca	30360
agttgttgcc	ggcggtttg	tcccagccaa	tcagcctcgc	cccacttctc	ccacccccac	30420
tgaaatcagc	tactttaatc	taacaggagg	agatgactga	caccctagat	ctagaaatgg	30480
acggaattat	tacagagcag	cgctgctag	aaagacgcag	ggcagcggcc	gagcaacagc	30540
gcatgaatca	agagctccaa	gacatgggta	acttgcacca	gtgcaaaagg	ggtatctttt	30600
gtctggtaaa	gcaggccaaa	gtcacctacg	acagtaatac	caccggacac	cgccttagct	30660
acaagttgcc	aaccaagcgt	cagaaattgg	tggtcatggg	gggagaaaag	cccattacca	30720
taactcagca	ctcggtagaa	accgaaggct	gcattcactc	accttgtaa	ggacctgagg	30780
atctctgcac	ccttattaag	accctgtgcg	gtctcaaaga	tcttattccc	tttaactaat	30840
aaaaaaaaat	aataaagcat	cacttactta	aaatcagtta	gcaaatttct	gtccagttta	30900
ttcagcagca	cctccttgcc	ctcctcccag	ctctggtatt	gcagcttcct	cctggctgca	30960
aactttctcc	acaatctaaa	tggaatgtca	gtttcctcct	gttcctgtcc	atccgcaccc	31020
actatcttca	tgttggtgca	gatgaagcgc	gcaagaccgt	ctgaagatac	cttcaacccc	31080
gtgtatccat	atgacacgga	aaccggtcct	ccaactgtgc	cttttcttac	tcctcccttt	31140
gtatccccc	atggggtttca	agagagtccc	cctgggggtac	tctctttgcg	cctatccgaa	31200

cctctagtta	cctccaatgg	catgcttgcg	ctcaaaatgg	gcaacggcct	ctctctggac	31260
gaggccggca	accttacctc	ccaaaatgta	accactgtga	gccacacctc	caaaaaaacc	31320
aagtcaaaca	taaacctgga	aatatctgca	cccctcacag	ttacctcaga	agccctaact	31380
gtggctgccg	ccgcacctct	aatggctcgcg	ggcaacacac	tcaccatgca	atcacaggcc	31440
ccgctaaccg	tgcacgactc	caaacttagc	attgccaccc	aaggaccctc	cacagtgtca	31500
gaaggaaagc	tagccctgca	aacatcaggc	cccctcacca	ccaccgatag	cagtaccctt	31560
actatcactg	cctcaccccc	tctaactact	gccactggta	gcttgggcat	tgacttgaaa	31620
gagcccattt	atacacaaaa	tggaaaacta	ggactaaagt	acggggctcc	tttgcattga	31680
acagacgacc	taaacacttt	gaccgtagca	actgggccag	gtgtgactat	taataatact	31740
tccttgcaaa	ctaaagttac	tggagccttg	ggttttgatt	cacaaggcaa	tatgcaactt	31800
aatgtagcag	gaggactaag	gattgattct	caaaacagac	gccttatact	tgatgttagt	31860
tatccgtttg	atgctcaaaa	ccaactaaat	ctaagactag	gacagggccc	tctttttata	31920
aactcagccc	acaacttgga	tattaactac	aacaaaggcc	tttacttggt	tacagcttca	31980
aacaattcca	aaaagcttga	ggttaaccta	agcactgcca	aggggttgat	gtttgacgct	32040
acagccatag	ccattaatgc	aggagatggg	cttgaatttg	gttcacctaa	tgcaccaaac	32100
acaaatcccc	tcaaaacaaa	aattggccat	ggcctagaat	ttgattcaaa	caaggctatg	32160
gttcctaaac	taggaactgg	ccttagtttt	gacagcacag	gtgccattac	agtaggaaac	32220
aaaaataatg	ataagctaac	tttgtggacc	acaccagctc	catctcctaa	ctgtagacta	32280
aatgcagaga	aagatgctaa	actcactttg	gtcttaacaa	aatgtggcag	tcaaataactt	32340
gctacagttt	cagttttggc	tgttaaaggc	agtttggctc	caatatctgg	aacagttcaa	32400
agtgtcatc	ttattataag	atttgacgaa	aatggagtgc	tactaaacaa	ttccttcctg	32460
gacccagaat	attggaactt	tagaaatgga	gatcttactg	aaggcacagc	ctatacaaac	32520
gctgttggtg	ttatgcctaa	cctatcagct	tatccaaaat	ctcacggtaa	aactgccaaa	32580
agtaacattg	tcagtcaagt	ttacttaaac	ggagacaaaa	ctaaacctgt	aacactaacc	32640
attacactaa	acggtacaca	ggaaacagga	gacacaactc	caagtgcata	ctctatgtca	32700
ttttcatggg	actggtctgg	ccacaactac	attaatgaaa	tatttgccac	atcctcttac	32760
actttttcat	acattgcccc	agaataaaga	atcgtttgtg	ttatgtttca	acgtgtttat	32820
ttttcaattg	cagaaaattt	caagtcattt	ttcattcagt	agtatagccc	caccaccaca	32880
tagcttatac	agatcacctg	accttaatca	aactcacaga	accctagtat	tcaacctgcc	32940

acctccctcc	caacacacag	agtacacagt	cctttctccc	cggctggcct	taaaaagcat	33000
catatcatgg	gtaacagaca	tattcttagg	tggtatattc	cacacggttt	cctgtcgagc	33060
caaacgctca	tcagtgatat	taataaaactc	cccgggcagc	tcacttaagt	tcatgtcgct	33120
gtccagctgc	tgagccacag	gctgctgtcc	aacttgcggt	tgcttaacgg	gcggcgaagg	33180
agaagtccac	gcctacatgg	gggtagagtc	ataatcgtgc	atcaggatag	ggcgggtggg	33240
ctgcagcagc	gcgcgaataa	actgctgccg	ccgccgctcc	gtcctgcagg	aatacaacat	33300
ggcagtggtc	tcctcagcga	tgattcgcac	cgcccgcagc	ataaggcgcc	ttgtcctccg	33360
ggcacagcag	cgcacctga	tctcacttaa	atcagcacag	taactgcagc	acagcaccac	33420
aatattgttc	aaaatcccac	agtgaaggc	gctgtatcca	aagctcatgg	cggggaccac	33480
agaaccacg	tggccatcat	accacaagcg	caggtagatt	aagtggcgac	ccctcataaa	33540
cacgctggac	ataaacatta	cctcttttgg	catgttgtaa	ttcaccacct	cccgggtacca	33600
tataaacctc	tgattaaaca	tggcgccatc	caccaccatc	ctaaaccagc	tggccaaaac	33660
ctgcccgcg	gctatacact	gcagggaaac	gggactggaa	caatgacagt	ggagagccca	33720
ggactcgtaa	ccatggatca	tcatgctcgt	catgatatca	atgttggcac	aacacaggca	33780
cacgtgcata	cacttctca	ggattacaag	ctcctcccgc	gttagaacca	tatcccaggg	33840
aacaacccat	tcctgaatca	gcgtaaatcc	cacactgcag	ggaagacctc	gcacgtaact	33900
cacgttggtc	attgtcaaag	tgttacattc	gggcagcagc	ggatgatcct	ccagtatggt	33960
agcgcggggt	tctgtctcaa	aaggaggtag	acgatcccta	ctgtacggag	tgcgccgaga	34020
caaccgagat	cgtgttggtc	gtagtgtcat	gccaaatgga	acgccggacg	tagtcatatt	34080
tcctgaagca	aaaccagggt	cgggcgtgac	aaacagatct	gcgtctccgg	tctcgccgct	34140
tagatcgctc	tgtgtagtag	ttgtagtata	tccactctct	caaagcatcc	aggcgcccc	34200
tggcttcggg	ttctatgtaa	actccttcac	gcgcgctgc	cctgataaca	tccaccaccg	34260
cagaataagc	cacaccacgc	caacctacac	attcgttctg	cgagtcacac	acgggaggag	34320
cgggaagagc	tggaagaacc	atgttttttt	ttttattcca	aaagattatc	caaaacctca	34380
aatgaagat	ctattaagtg	aacgcgctcc	cctccggtgg	cgtgggtcaaa	ctctacagcc	34440
aaagaacaga	taatggcatt	tgtaagatgt	tgcaaatgg	cttccaaaag	gcaaacggcc	34500
ctcacgtcca	agtggacgta	aaggctaaac	ccttcagggt	gaatctcctc	tataaacatt	34560
ccagcacctt	caaccatgcc	caaataattc	tcatctcgcc	accttctcaa	tatatctcta	34620
agcaaattccc	gaatattaag	tccggccatt	gtaaaaatct	gctccagagc	gccctccacc	34680
ttcagcctca	agcagcgaat	catgattgca	aaaattcagg	ttcctcacag	acctgtataa	34740

gattcaaaaag cggaacatta acaaaaaatac cgcgatcccc taggtccctt cgcagggcca 34800
gctgaacata atcgtgcagg tctgcacgga ccagcgcggc cacttccccg ccaggaacct 34860
tgacaaaaga acccactg attatgacac gcatactcgg agctatgcta accagcgtag 34920
ccccgatgta agctttgttg catgggcggc gatataaaat gcaaggtgct gctcaaaaaa 34980
tcaggcaaag cctcgcgcaa aaaagaaagc acatcgtagt catgctcatg cagataaagg 35040
caggtaagct ccggaaccac cacagaaaaa gacaccattt ttctctcaaa catgtctgcg 35100
ggtttctgca taaacacaaa ataaaataac aaaaaaacat ttaaaccatta gaagcctgtc 35160
ttacaacagg aaaaacaacc cttataagca taagacggac tacggccatg ccggcgtgac 35220
cgtaaaaaaa ctggtcaccg tgattaaaaa gcaccaccga cagctcctcg gtcatgtccg 35280
gagtcataat gtaagactcg gtaaacacat cagggtgatt catcggtcag tgctaaaaag 35340
cgaccgaaat agcccggggg aatacatacc cgcaggcgta gagacaacat tacagccccc 35400
ataggaggta taacaaaatt aataggagag aaaaacacat aaacacctga aaaaccctcc 35460
tgcctaggca aaatagcacc ctcccgtcc agaacaacat acagcgcttc acagcggcag 35520
cctaacagtc agccttacca gtaaaaaaga aaacctatta aaaaaacacc actcgacacg 35580
gcaccagctc aatcagtcac agtgtaaaaa agggccaagt gcagagcgag tatatatagg 35640
actaaaaaat gacgtaacgg ttaaagtcca caaaaaacac ccagaaaacc gcacgcgaac 35700
ctacgcccag aaacgaaagc caaaaaaccc acaacttcct caaatcgtca cttccgtttt 35760
cccacgttac gtaacttccc attttaagaa aactacaatt cccaacacat acaagttact 35820
ccgccctaaa acctacgtca cccgcccgt tcccacgccc cgcgccacgt caciaactcc 35880
acccctcat tatcatattg gcttcaatcc aaaataaggt atattattga tgatg 35935

<210> 5
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> This is a PCR primer

<400> 5
ctatcctgag acggac

16

<210> 6
<211> 34
<212> DNA
<213> artificial sequence

<220>
<223> This is a PCR primer

<400> 6
gatcgggatcc aggtctccag taagtggtag ctgc 34

<210> 7
<211> 25
<212> DNA
<213> artificial sequence

<220>
<223> This is a PCR primer

<400> 7
aaaggataaa tggagtaaag aaacc 25

<210> 8
<211> 23
<212> DNA
<213> artificial sequence

<220>
<223> This is a PCR primer

<400> 8
cagatggggtt tggttcattta tcc 23